

**NORTH DAKOTA PROJECT WET (WATER EDUCATION FOR TEACHERS)  
WATER QUALITY/NON-POINT FOR SOURCE POLLUTION  
EDUCATION PROGRAM FOR TEACHERS AND YOUTH**

NPS Project Implementation Plan

July 1, 2019 – June 30, 2021

Prepared by:

Tina Harding, Water Resource Education Program Manager

NORTH DAKOTA STATE WATER COMMISSION  
900 EAST BOULEVARD, DEPT. 770  
Bismarck, ND 58505-0850  
(701) 328-4833  
E-mail [tinamharding@nd.gov](mailto:tinamharding@nd.gov)

October 2018

**1.01 PROJECT SUMMARY SHEET**

**PROJECT TITLE NAME: NORTH DAKOTA PROJECT WET (WATER EDUCATION FOR TEACHERS) WATER QUALITY/NON-POINT SOURCE POLLUTION EDUCATION PROGRAM FOR NORTH DAKOTA TEACHERS AND YOUTH**

**NAME AND ADDRESS, TELEPHONE AND E-MAIL OF LEAD PROJECT SPONSOR/ SUBGRANTEE:**

NORTH DAKOTA STATE WATER COMMISSION  
900 East Boulevard, Department 770  
Bismarck, ND 58505-0850  
(701) 328-4833  
[tinamharding@nd.gov](mailto:tinamharding@nd.gov)

**STATE CONTACT PERSON:** Tina Harding      **TITLE:** Water Resource Education Program Manager

**PHONE:** (701) 328-4833      **FAX:** (701) 328-3747      **EMAIL:** tinamharding@nd.gov

**STATE:** North Dakota      **WATERSHED:** Statewide

**HYDROLOGIC UNIT CODE:** NA      **HIGH PRIORITY WATERSHED:**  
**(YES/NO):** NO

**TMDL UNDER DEVELOPMENT: PENDING \_\_\_\_\_ IMPLEMENTATION \_\_\_\_\_**

<b>PROJECT TYPES</b>	<b>WATERBODY TYPES</b>	<b>NPS CATEGORY</b>
<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 type="checkbox"/> GROUNDWATER	<input type="checkbox"/> RIVERS	<input type="checkbox"/> SILVICULTURE
<input checked="" type="checkbox"/> I&E	<input type="checkbox"/> STREAMS	<input type="checkbox"/> CONSTRUCTION
	<input type="checkbox"/> WETLANDS	<input type="checkbox"/> RESOURCE
	<input type="checkbox"/> OTHER	EXTRACTION
		<input type="checkbox"/> STOWAGE/LAND DISPOSAL
		<input type="checkbox"/> HYDRO
		<input type="checkbox"/> OTHER

**PROJECT: STATEWIDE X LATITUDE \_\_\_\_\_ MIN. \_\_\_\_\_ LONGITUDE \_\_\_\_\_ MIN. \_\_\_\_\_**

**SUMMARIZATION OF MAJOR GOALS:** The following overall goal has been established for the North Dakota Water Education/Project WET water quality/non-point source (NPS) pollution program: To increase the knowledge, understanding and appreciation of water resources through education related to nonpoint source pollution and its impact on North Dakota water resources, while also creating stewards that make informed decisions that reduce the number of impact occurrences and identify sustainable solutions to those impacts. The following action sub goals have also been established: 1) Develop and disseminate classroom ready and action oriented water quality and non-point source pollution water science programs statewide. 2) Provide balanced non point source pollution and water quality resource materials, educational tools, professional services,

and community support for programs that promote water resource science and education; and 3) Promote knowledge and understanding of human and natural environmental impacts within the watersheds of North Dakota through local, regional and statewide education programs and opportunities.

**PROJECT DESCRIPTION:**

North Dakota water education program raises awareness and access to solutions to eliminate NPS pollution and water quality issues throughout the state. Project WET (Water Education for Teachers) is a non-profit interdisciplinary water education program for formal and non formal educators, adults and young people, grades K-12. Project WET is delivered to schools and communities through extensive published resource materials, training workshops, graduate institutes, organized community water festivals, water events, and a variety of media outlets that promote awareness and understanding of diverse water topics (e.g. watersheds, nonpoint source pollution, and water quality) locally, nationally and internationally.

Project WET (developed and established in North Dakota in 1984) focuses on developing innovative, interactive, hands on and user friendly water related activities that address current water issues with water quality, non point source pollution and stewardship of water resources. The curriculum has direct correlation to state and national education standards and creates a link between educators, resource professionals and scientists.

Project WET educational programs, resources and materials facilitate and promote learning, awareness, knowledge, exploration and stewardship of North Dakota water resources. Programs are carried out through the development of both indoor and outdoor experiences in an age appropriate, nonbiased manner that promotes critical thinking and problem solving skills.

Project WET provides a water education portal that is a dynamic Internet based resource with an interactive platform for educators, facilitators and resource personnel to participate in discussion groups and collaboration on water related issues such as water quality, water education and non point source pollution. Within the portal is a searchable index for activities by grade level, topic and subject. Within the activities posted on the portal, educators can download and upload content and find ideas for community based action projects that move the learner from awareness to empowerment. This allows students, educators, natural resource agencies and communities to find ways to solve local water issues with sustainable solutions.

Project WET has launched DiscoverWater.org. DiscoverWater.org provides free interactive lessons and activities online. This web based program combines student friendly illustrations and animations with interactive, science based lessons about the important roles that clean water plays in our lives. This resource is free to all who want to understand water through a variety of interactive lessons that cover topics such as nonpoint source water pollution, water quality, the water cycle and more. The web experience is another tool that brings water lessons to life in a way that makes learning fun and encourages today's youth to take action to become tomorrow's responsible stewards of North Dakota's water resources.

Through North Dakota's water education program, these Project WET resources are explored, taught, and explained for the use by a variety of educators, students and communities alike.

**319 funds requested: \$ 175,000; Match \$ 116,666  
Other Federal Funds: \$0. 319 Funded Fulltime personnel: 1.**

**Total Project Cost: \$ 291,666**

## **2.0 STATEMENT OF NEED**

**2.1** The North Dakota Department of Health has identified the need to deliver a balance of information and education throughout the state of North Dakota as a critical component of the NPS Pollution Management Program. Project WET water quality and NPS pollution programs serve as integral components in raising awareness and understanding of North Dakota’s water resources, importance of water in our day to day lives, and they examine current water issues and providing solutions for restoring water quality and eliminating the impact of NPS pollution on our water resources. Through awareness and understanding, Project WET water quality and NPS pollution programs increase participation, knowledge and appreciation for our water resources. This inspires public support for the development and implementation of NPS pollution management measures and healthy water quality practices.

The following table outlines the programs supported by NPS pollution grants and how Project WET fits this strategy:

<b>Program</b>	<b>Primary Grade Level</b>	<b>Primary Audience</b>
Project WET	K-12; Adults	Teachers and Students; Adults Statewide
Prairie Waters Education and Research Center	K-12; Adults	Students, Teachers; Adults regionally
Project Trees	K-6	Students and Teachers
Statewide Eco Ed	6-8	Students, Teachers and Chaperones
ND Envirothon	9-12	Students, Teachers/Advisors

Although listed programs are not limited to a specific grade level, a majority of their programming is presented to the grade level(s) noted in the table.

Each program serves a separate audience yet builds on the previous program creating a delivery network system. By using individual programs as building blocks, NPS pollution educational materials addressing impact and management solutions are being provided to a greater number of citizens over the entire span of their life.

Project WET provides the base of the “pyramid” upon which water quality/NPS pollution education is implemented in North Dakota for the targeted ages. North Dakota Project WET is a statewide service provider and is the only hands-on water quality/NPS pollution education program that is delivered to schools and communities through extensive published resource materials, training workshops, graduate institutes, organized community water festivals, water events, and a variety of interactive online resources that promote awareness and understanding of diverse water topics (e.g. watersheds, non-point source pollution, and water quality).

North Dakota Project WET water quality and NPS pollution program believes that through the efforts of the education and water resource management entities, formal and non formal educators, adults and young people, will be provoked to curiosity and appreciation of the importance of water quality/NPS pollution impacts on their water resources. Through provocation, there is knowledge and awareness that inspires positive water use, promotes involvement and fosters action in a variety of water quality/NPS pollution projects in their homes, schools, and communities. This increases the probability of a life-long commitment of stewardship for North Dakota’s water resources.

## **Project WET Programs for K-12 Educators, Facilitators and Resource Personnel**

**Inservice Workshop (80% Directly Related to NPS Pollution/Solutions and Water Quality Education; 100% Directly Related to Water Education):** One or two hour inservice session focusing on a particular water topic or thematic sessions can be completed. (4 per biennium)

**University Preservice Workshop (80% Directly Related to NPS Pollution/Solutions and Water Quality Education; 100% Directly Related to Water Education):** Six hour workshop offered to college students enrolled in participating North Dakota Universities. Participation can be voluntary or mandatory depending on faculty and program preference. Preservice training is completed by trained university/college faculty or by a Project WET facilitator. (6 per biennium)

**Six-Hour Non Credit Workshop (80% Directly Related to NPS Pollution/Solutions and Water Quality Education; 100% Directly Related to Water Education):** Non credit workshop offered to educators, resource personnel and general public who want to gain an overall understanding of Project WET programs and resources. Workshop may be issue specific or thematic. (2 per biennium)

**15-Hour Credit Workshop (80% Directly Related to NPS Pollution/Solutions and Water Quality Education; 100% Directly Related to Water Education):** One graduate credit available through Minot State University, University of North Dakota or North Dakota State University. Credit workshop options currently available include: Project WET, Watershed Manager; Project WET/WOW! Wonders of Wetlands; Project WET/Service Learning; Project WET/Water Festival; Project WET/Healthy Water, Healthy People; Project WET/Missouri River; Project WET/Red River; and Project WET/Conserve Water. Many other options are available using these combinations. (2 per biennium)

**Summer Institutes (80% Directly Related to NPS Pollution/Solutions and Water Quality Education; 100% Directly Related to Water Education):** Project WET offers intensive summer watershed institutes for educators, resource personnel and coordinators (July of each summer). Participants may earn 3 to 4 graduate credits offered through the North Dakota University System. The watershed institutes explore different regions of North Dakota on a rotation and current issue basis. (1 per biennium)

**Collaborative Web Resource (90% Directly Related to NPS Pollution/Solutions and Water Quality Education; 100% Directly Related to Water Education):** Collaborative effort with other programs, agencies and institutions to develop internet based resources with an interactive platform for educators, facilitators and resource personnel to link resources and participate in discussion groups and collaboration on water related issues such as water quality, water education and non point source pollution. (ongoing)

## **Project WET Programs for K-12 Youth**

**Water Festivals/Celebrations (80% Directly Related to NPS Pollution/Solutions and Water Quality Education; 100% Directly Related to Water Education):** Water festivals/celebrations can be part-day to five day hands-on events to educate youth (targeting grades 3, 4, and 5) about the importance of water in their lives. Most events include hands-on Project WET and other classroom-ready water related activities, demonstrations and exhibits. Major festivals currently held are in Bismarck, Dickinson, Fargo, Wahpeton, Mandan, Grand Forks, Kathryn (Valley City), Williston, Bottineau, Minot, and Fort Totten. (22 per biennium)

**Youth Camps/Youth Events (80% Directly Related to NPS Pollution/Solutions and Water Quality Education; 100% Directly Related to Water Education):** Project WET sponsors or participates in youth camps and youth events that promote water science and water resource education. Project WET involvement can be an indoor/outdoor part-day to multi-day program to educate youth about the importance of water. Other organization sponsors can include boy and girl scouts, church-sponsored youth programs, 4-H youth programs, science centers, museums, environmental learning centers, zoos, soil conservation district Eco-ed programs, envirothon, and state park youth programs. (10 per biennium)

### **Project WET Programs for all North Dakota Citizens**

**Family and Community Centered Programs (80% Directly Related to NPS Pollution/Solutions and Water Quality Education; 100% Directly Related to Water Education):** Project WET participates in many family and community centered events. Often, family and community programs are developed with youth water festivals; community art/craft shows; youth and community exhibitions, community recognition events; local historical events; youth camps; local, county and/or state fairs, and many other events. They can also be developed as a stand alone program to educate the general public about water resource issues. (6 per biennium)

**Water Action/Community Service Learning Projects (90% Directly Related to NPS Pollution/Solutions and Water Quality Education; 100% Directly Related to Water Education):** Community action/service learning projects get teachers and students involved in tackling water-related problems or issues, or that aim at improving an environmental setting. Projects can take place at home, in the school, in the community and on the farm (anywhere in a local watershed). (ongoing)

**Interactive Web-page (90% Directly Related to NPS Pollution/Solutions and Water Quality Education; 100% Directly Related to Water Education):** North Dakota Project WET will promote ProjectWET interactive web pages encouraging public access to water related internet resources, publications, and interactive programs that promote education, understanding and participation in reducing NPS pollution impacts and promoting healthy water quality practices. (ongoing)

**2.2** Project WET targets the following youth groups and those groups or individuals that work with youth:

- K-12 public and private classroom teachers
- Preschool and daycare educators
- Youth organization leaders (i.e. 4-H, scouts, church, etc.)
- Preservice faculty and students
- Resource agency educators and outreach specialists
- Natural resource program educators
- Local, state and federal park interpreters and rangers
- Home-school educators

- Corporate community educators
- Zoo educational staff
- Museum, nature and science center staff
- K-12 students (all situations, groups, organizations and functions)
- Community leaders
- Adults and general public

North Dakota Project WET program is dedicated to increasing the knowledge, understanding and appreciation of water resources through education related to nonpoint source pollution and its impact on North Dakota water resources. While also creating stewards that make informed decisions that reduce the number of impact occurrences and identify sustainable solutions to those impacts.

### **3.0 PROJECT DESCRIPTION**

**3.1 Project Goals:** The following overall goal has been established for the North Dakota Water Education/Project WET water quality/non-point source (NPS) pollution program: To increase the knowledge, understanding and appreciation of water resources through education related to nonpoint source pollution and its impact on North Dakota water resources, while also creating stewards that make informed decisions that reduce the number of impact occurrences and identify sustainable solutions to those impacts. The following action sub goals have also been established:

- 1) Develop and disseminate classroom ready and action oriented water quality and non-point source pollution water science programs statewide.
- 2) Provide balanced non point source pollution and water quality resource materials, educational tools, professional services, and community support for programs that promote water resource science and education; and
- 3) Promote knowledge and understanding of human and natural environmental impacts within the watersheds of North Dakota through local, regional and statewide education programs and opportunities.

In order to meet these goals, the Project WET water quality/NPS program provides hands-on and interactive classroom and outdoor-ready NPS pollution/water quality education programs to K-12 formal and non-formal educators, K-12 youth, youth organization leaders, resource agency educators, natural resource program personnel, and community residents through educational materials, resources, and technology. K-12 educator and K-12 youth programs are detailed in the Project Description.

**3.2 Objectives/Tasks:** Specific objectives and underlying tasks for the FY 2018 NPS Pollution Project Implementation Plan (PIP) for the period of July 1, 2019 – June 30, 2021 are defined in this section.

**Objective 1.** Provide Project WET management and support systems to develop and deliver effective NPS pollution/water quality and water education/water science programs (**\$175,000**).

**Task 1.** Employ a project manager and incorporate other non-state employees (Project WET facilitators) to provide necessary management and direction for implementation and delivery of project objectives/tasks. Includes travel/per diem and costs associated with onsite and offsite delivery of project programs for the project manager and non-state employees (25-35 facilitators).

Product: Personnel for ongoing program development, management and implementation of project.

Cost: \$ 161,000

**Task 2.** Maintain cost of support services to project objectives/tasks directed toward targeted teachers and youth (miscellaneous supplies, postage to send educational material to sites, printing of educational and supporting materials, and equipment, etc.).

Product: Provision of necessary support to augment Project WET NPS pollution/solutions and water quality educational resources, services and materials to teachers and youth.

Cost: \$ 7,000

**Task 3.** Support the cost of service contracts (variable to the project at hand, average contracts 30) with Project WET NPS pollution education providers and consultants .

Product: Mechanisms to promote, access and implement Project WET NPS pollution/water quality educational resources, materials and programs.

Cost: \$ 7,000

**Objective 2.** Maintain classroom-ready and STEM (Science, Technology, Engineering, and Mathematics) based teaching aids in support of Project WET educational efforts (**\$23,333**).

**Task 4.** Maintain six Project WET NPS pollution/solutions and water quality educational trunks (description in Appendix).

Product: Teacher/youth interactive participation with use of trunks.

Cost: \$ 467



**Task 5.** Maintain Project WET water quality and NPS pollution and solutions hands-on curriculum and other NPS pollution /water education materials and resources (Project WET Activity Guides 2.0 supplemental Project WET materials; water quality resource education curriculums and NPS pollution/water quality materials) for K-12 formal and non-formal educators and youth.

Product: Easy to use, hands-on, innovative curriculum, interactive web based learning programs, supplemental resources, balanced and interactive NPS pollution and water quality resources and water science education resource materials for K-12 formal and non-formal educators and youth.

Cost: \$ 20,766

**Task 6.** Purchase new and maintain existing indoor/outdoor water quality training and education resources (water quality chemical, biological, physical monitoring resources, hip/boot/chest waders, other appropriate NPS pollution and water quality equipment, materials and resources that enhance NPS pollution/solutions and water quality education).

Product: Methods to educate and monitor NPS pollution/solutions and water quality for all types of real world water resource environments in North Dakota.

Cost: \$ 2,100

**Objective 3.**

Complete water quality/NPS pollution/solutions educational opportunities for 55,550 K-12 formal and non formal educators, youth and adults to expand their knowledge and understanding of water quality/NPS pollution/solutions resource issues in North Dakota (**\$61,250**).

**Task 7.** Provide and complete varying level non-credit and credit facilitator led Project WET water quality/NPS pollution/solutions educational programs (in-service and pre-service) for 520 formal and non-formal K-12 educators (includes stipend but does not include travel/per diem costs of non-state employees – Project WET facilitators).

Product: 520 formal and non-formal K-12 educators who gain a knowledge, appreciation and understanding of ND water quality/NPS pollution/solutions resource issues.

Cost: \$9,188

**Task 8.** Provide funds to selected organizations to promote, develop, and complete ten community/area-wide NPS pollution/

solutions water quality education festivals for 35,000 youth (Make A Splash with Project WET festivals).

Product: Completion of twenty two community /area-wide, high-profile and balanced educational NPS pollution/solutions water quality education festivals for 35,000 middle and upper elementary youth and their teachers, thereby increasing appreciation, knowledge, understanding and appreciation of ND water quality/NPS pollution/solutions issues.

Cost: \$ 24,500

**Task 9.** Provide and complete water quality/NPS pollution/solutions education programs for 10,000 K-12 youth at camps, school water education programs, and other community environmental education events for youth and adults addressing NPS pollution and water quality issues (includes stipend but does not include travel/per diem of non state employees – Project WET facilitators). Costs provide funding to only pay trained Project WET facilitators a stipend to help develop and complete these programs. Costs do not include any funding for Project WET Director.

Product: Completion of Project WET water quality/NPS pollution programs for 10,000 K-12 youth at camps, school water education programs, water festivals and other youth/adult NPS pollution and water quality community education events.

Cost: \$ 12,250

**Task 10.** Develop and implement a total of one Discover Today's Watershed Institute for 30 formal and non-formal K-12 educators with three or four graduate credits for each institute (includes stipend but does not include travel/per diem for non-state employees – Project WET facilitators). Costs provide funding to only pay Project WET facilitators a stipend to help complete these institutes. Costs do not include any funding for Project WET Director.

Product: 30 educators who gain an in-depth knowledge, appreciation and understanding of contemporary North Dakota watershed, water quality and NPS pollution/solutions issues.

Cost: \$ 12,250

**Task 11.** Maintain two statewide water education poster contests for 5,000 grade 6 youth with the theme of "Help Prevent Runoff Pollution."

Product: 5,000 grade 6 students receive an opportunity to develop fine art skills while depicting their understanding of NPS pollution/solutions and water quality issues.

Cost: \$ 3,062

**Objective 4.**

Maintain the Project WET facilitator network of 25-30 formal and non-formal trained educators who help promote and enable Project WET water quality/NPS pollution/solutions educational resources, materials and opportunities to be delivered statewide to teachers and youth (**\$20,417**).

**Task 12.** Maintain Project WET water quality/NPS pollution and solutions trained network of 25-30 formal and non-formal facilitators, including recognition and incentive programs for facilitators.

Product: Methods to maintain existing facilitator network of 25-30 active facilitators and materials to recognize and provide incentives (Awards, items with logo and years of service, educational materials, participation in educational opportunities, networking opportunities) to the Project WET facilitator network.

Cost: \$ 10,413

**Task 13.** Complete two statewide facilitator leadership training workshop for 20 additional K-12 formal and non-formal educators.

Product: 20 additional motivated and trained K-12 formal and non-formal educators to promote and deliver Project WET NPS pollution educational resources, materials and programs across North Dakota.

Cost: \$ 10,005

**Objective 5.**

Provide a method of ongoing monitoring, evaluation, oversight and direction through four Advisory Committee meetings and through evaluation of Project accomplishments, objectives, task outputs and benefits. (**\$2,917**).

**Task 14.** Complete four Project WET Advisory Committee meetings to monitor and evaluate along with provide oversight and direction for Project WET water quality/NPS pollution programs.

Product: Method to monitor, evaluate and provide direction to Project WET water quality/NPS pollution objectives/tasks through four Project WET Advisory Committee meetings.

Cost: \$ 1,663

**Task 15.** Complete various methods to track and measure (evaluate) Project objectives, task outputs, benefits and accomplishments.

Product: Methods to monitor and evaluate progress toward accomplishment of Project objectives, task outputs and benefits. Specific methods that will be used to track and measure progress and benefits.

Cost: \$ 1,254

**Objective 6.**

Develop and implement the use of technology to promote web based resources, materials and innovative interactive programs that facilitate discovery, knowledge, understanding and appreciation of NPS pollution and water quality impacts and encourage K-12 educators, youth and adults to take action in sustainable solutions. (**\$8,750**).

**Task 16.** Maintain and improve for ND Project Wet water quality/NPS pollution/ solutions that will improve and increase delivery of resources and materials to K-12 educators, youth and adults.

Product: A dynamic web page linking to interactive learning programs and resources.

Cost: \$ 3,500

**Task 17.** Purchase and maintain technology (Adobe Creative Suite, Dream Weaver, applications, productivity software) and equipment (touchscreen interfaces for 24" imac, ipads, and supporting hardware) to support the delivery of web-based learning of NPS pollution and water quality programs.

Product: Innovative tool that allows K-12 educators, youth and the general public to experience STEM based learning of NPS pollution and water quality issues and solutions.

Cost: \$ 5,250

### 3.3 MILESTONE TABLE FOR PROJECT WET WATER QUALITY/NPS POLLUTION EDUCATION PROGRAM FOR TEACHERS AND YOUTH

July 1, 2019 – June 30, 2021

PROJECT OBJECTIVE AND TASKS	RESPONSIBLE ORGANIZATIONS	OUTPUT	YEAR 1 - 2 July 1, 2019 - June 30, 2021
<b>OBJECTIVE 1: MAINTAIN PROJECT WET MANAGEMENT AND SUPPORT SYSTEMS.</b> <b>Task 1:</b> Employ a Project Director. a. Salary/Fringe b. Travel/Per Diem (includes non-state employees = facilitators)	NDSWC/Project Director	Project staff and project facilitators	Ongoing – July 1, 2019 – June 30, 2021
<b>Task 2:</b> Maintain cost of support services. a. Office Equipment/Supplies b. Postage/Printing c. Miscellaneous Supplies	NDSWC/Project Director	Project support services	Ongoing - July 1, 2019 – June 30, 2021
<b>Task 3:</b> Support the cost of service contracts. a. Develop and produce quality educational NPS materials.	NDSWC/Project Director; Involved Contractees	Mechanisms to implement project services through contracts	Ongoing – July 1, 2019 - June 30, 2021
<b>OBJECTIVE 2: MAINTAIN CLASSROOM – READY TEACHING AIDS.</b> <b>Task 4:</b> Maintain Six Project WET NPS pollution/ water quality trunks/ exhibits.	NDSWC/Project Director	Use and maintenance of project trunk/exhibits	Ongoing – July 1, 2019 – June 30, 2021
<b>Task 5:</b> Maintain Project WET NPS pollution/water quality curriculum/educational materials. a. National Project WET Activity Guides 2.0 b. National Project WET Portal c. National Project WET supplemental water education materials d. Other water quality/NPS pollution education materials and curriculum.	NDSWC/Project Director	Purchase and maintenance of project NPS pollution and water quality educational materials and resources	Ongoing – July 1, 2019 – June 30, 2021

PROJECT OBJECTIVE AND TASKS	RESPONSIBLE ORGANIZATIONS	OUTPUT	YEAR 1 - 2 July 1, 2019 - June 30, 2021
<p><b>Task 6:</b> Purchase new and maintain existing indoor/outdoor water quality/NPS pollution education and training resources.</p> <ul style="list-style-type: none"> <li>a. Repair and restock existing water quality test kits.</li> <li>b. Repair and replace hip boots/chest waders.</li> <li>c. Purchase other NPS Pollution/ water quality education/ training resources.</li> </ul>	<p>NDSWC/Project Director; Contracted Project WET Facilitator</p>	<p>Purchase and maintenance of NPS pollution/water quality indoor/outdoor materials and resources</p>	<p>Ongoing – July 1, 2019 – June 30, 2021</p>
<p><b>OBJECTIVE 3: COMPLETE EDUCATIONAL OPPORTUNITIES FOR 50,550 K-12 FORMAL AND NON-FORMAL EDUCATORS, YOUTH AND ADULTS.</b></p> <p><b>Task 7:</b> Provide and complete varying level credit/non-credit educational programs for 520 formal and non-formal K-12 educators.</p> <ul style="list-style-type: none"> <li>a. 1 hour and variable hour inservice for educators</li> <li>b. 6 hour non/credit preservice workshops for educators</li> <li>c. 15 hour credit workshops involving educators</li> </ul>	<p>ND SWC/Project Director and Facilitators; Other Agencies, Organizations and Individuals</p>	<p>520 knowledgeable educators and students on NPS pollution/solution, water quality resources and water resource issues</p>	<p>Ongoing – July 1, 2019 – June 30, 2021</p>
<p><b>Task 8:</b> Provide funds to selected organizations to develop and complete 22 NPS pollution and water quality festivals (Make a Splash with Project WET) involving 35,000 third, fourth and fifth graders.</p>	<p>NDSWC/Project Director and Facilitators; Involved Organizations</p>	<p>Completion of selected NPS pollution/water quality festivals for 35,000 students.</p>	<p>April/May 2019 through April/May 2021; September/October 2019 through September/October 2021</p>
<p><b>Task 9:</b> Provide and complete varying level NPS/pollution water quality education programs for 10,000 K-12 youth and adults at camps/school programs, other youth water education events and at public water education events.</p>	<p>NDSWC/Project Director and Facilitators; Other Involved Agencies and Organizations</p>	<p>10,000 knowledgeable K-12 Students on NPS pollution and water quality issues</p>	<p>Ongoing – July 1, 2019 – June 30, 2021</p>

PROJECT OBJECTIVE AND TASKS	RESPONSIBLE ORGANIZATIONS	OUTPUT	YEAR 1 - 2 July 1, 2019 June 30, 2021
<p><b>Task 10:</b> Develop and implement one Discover Today's Watershed Institute for 30 formal and non-formal K-12 educators (three or four graduate credits each).</p>	<p>NDSWC Project WET Director and Facilitators; Other Involved Agencies, Individuals and Organizations</p>	<p>In-depth understanding of contemporary ND watershed, nonpoint source pollution and water quality issues and concerns for 30 educators</p>	<p>Ongoing – July 1, 2019 – June 30, 2021</p>
<p><b>Task 11:</b> Develop and implement two statewide NPS pollution/ water quality education poster contests involving 5,000 grade 6 youth with a theme of "Help Prevent Runoff Pollution."</p>	<p>NDSWC/Project WET Director; KNDC; Grade Six Teachers and Youth</p>	<p>5,000 grade 6 student improve understanding of NPS pollution/water quality impacts</p>	<p>January/April 2019 – January/April 2021</p>
<p><b>OBJECTIVE 4:</b> MAINTAIN FACILITATOR NETWORK AND RECOGNITION AND INCENTIVE SUPPORT SYSTEM OF 25-30 PROJECT WET FACILITATORS.</p> <p><b>Task 12:</b> Maintain facilitator network of 25-30 educators, and facilitator recognition and incentive programs.</p> <ul style="list-style-type: none"> <li>a. Facilitator recognition and incentive programs</li> <li>b. Attend Project WET promotional meetings/conferences.</li> </ul> <p><b>Task 13:</b> Complete two statewide facilitator leadership training for an additional 20 K-12 formal and non-formal educators.</p>	<p>NDSWC/Project Director and Facilitators; Other Involved Agencies and Organizations</p>	<p>25-30 motivated and trained Project WET Facilitators to complete project objectives/tasks; i</p>	<p>Ongoing – July 1, 2019 – June 30, 2021</p>
<p><b>OBJECTIVE 5:</b> PROVIDE A METHOD FOR ONGOING MONITORING, EVALUATION, OVERSIGHT AND DIRECTION THROUGH FOUR PROJECT WET ADVISORY COMMITTEE MEETINGS AND THROUGH EVALUATION OF PROJECT ACCOMPLISHMENTS, OBJECTIVES, TASK OUTPUTS, AND BENEFITS.</p>			

PROJECT OBJECTIVE AND TASKS	RESPONSIBLE ORGANIZATIONS	OUTPUT	YEAR 1 - 2 July 1, 2019 June 30, 2021
<p><b>Task 14:</b> Conduct four meetings of Project WET Advisory Committee (see Appendix for current Advisory Committee members).</p>	<p>NDSWC/Project Director and Advisory Committee Members</p>	<p>Method to assess and evaluate project objectives and tasks through four meetings</p>	<p>Periodic as Needed - July 1, 2019 – June 30, 2021</p>
<p><b>Task 15:</b> Complete various methods to track and measure (evaluate) Project objectives, task outputs, benefits and accomplishments</p>	<p>NDSWC/Project Director; Project Facilitators; Project Program Participants; and Participating Organizations</p>	<p>Methods to track and measure project, objectives and tasks through formal evaluation techniques</p>	<p>Periodic as Needed - July 1, 2019 – June 30, 2021</p>
<p><b>OBJECTIVE 6:</b> DEVELOP AND IMPLEMENT THE USE OF TECHNOLOGY TO PROMOTE WEB/STEM BASED RESOURCES, MATERIALS AND INNOVATIVE, INTERACTIVE PROGRAMS THAT FACILITATE DISCOVERY, KNOWLEDGE, UNDERSTANDING AND APPRECIATION OF NPS POLLUTION AND WATER QUALITY IMPACTS AND ENCOURAGE K-12 EDUCATORS, YOUTH AND ADULTS TO TAKE ACTION TOWARDS SUSTAINABLE SOLUTIONS TO THESE IMPACTS.</p> <p><b>Task 16:</b> Develop and maintain a web page for ND Project Wet water quality/NPS pollution/ solutions that will improve and increase delivery of resources and materials to K-12 educators, youth and adults.</p>	<p>NDSWC/Project Director and Project Facilitators</p>	<p>A dynamic web page linking to interactive learning programs and resources that is provided to increase usage and exposure.</p>	<p>Ongoing – July 1, 2019 – June 30, 2021</p>
<p><b>Task 17:</b> Purchase and maintain technology and equipment to support dissemination of STEM based learning of NPS pollution, and water quality impacts/solutions.</p>	<p>NDSWC/Project Director and Project Facilitators</p>	<p>Innovative tool that allows K-12 educators, youth and the general public's experience web based learning of NPS pollution and water quality issues and solutions.</p>	<p>Ongoing – July 1, 2019 – June 30, 2021</p>



- 3.4 North Dakota Project WET, developed and implemented in 1984 by the ND State Water Commission, was the first Project WET program in the United States/world. North Dakota Project WET, through the ND State Water Commission, has a proven history of developing and implementing comprehensive water quality/NPS pollution programs for K-12 youth and adults. Project WET is the only statewide program in North Dakota that produces, uses and delivers hands-on NPS pollution, water quality and impact solution education programs to K-12 educators and youth. **A brief the history of North Dakota Project WET can be found in the Appendix under HISTORY OF NORTH DAKOTA PROJECT WET. Additional information and supporting documents may be viewed at [http://www.swc.nd.gov/info\\_edu/water\\_education/](http://www.swc.nd.gov/info_edu/water_education/)**

#### 4.0 COORDINATION PLAN

- 4.1 The North Dakota State Water Commission (NDSWC), 900 East Boulevard Avenue, Bismarck, ND 58505 is the lead sponsor of the North Dakota Project WET NPS Pollution/Water Quality Program. The NDSWC operates in pursuit of three main goals:
- Promote development and investment in water resource projects.
  - Utilize technology and education to increase our understanding for the improved management of the state's water resources.
  - Continue our strong commitment to sustainable water management.

The 1983 water management plan public planning process determined that the North Dakota general public, as well as teachers and youth, knew very little about North Dakota, watersheds, or water resource issues. As a result, a general adult and teacher water education program was initiated in 1984. During the period of 1985 through 1989 Project WET was developed and implemented by the NDSWC using North Dakota water education materials and resources. The NDSWC's Project WET North Dakota gained national attention and recognition and soon became a model for other states wanting to develop hands-on water resource education curriculum. In 1989, the NDSWC's Project WET program was pilot tested in Arizona, Idaho and Montana. This successful pilot test was the basis for the development of the National Project WET Program. The NDSWC began a far reaching enhancement and expansion of its Project WET program in 1993 through the Section 319 Nonpoint Source Pollution Program of the Environmental Protection Agency. The NDSWC has a demonstrated and proven record of developing and implementing innovative water and water quality/NPS pollution programs in North Dakota since 1993. Providing water education is still a priority in the NDSWC Strategic Plan to date.

The NDSWC is the only sponsoring organization for the administration, management and implementation of the Project WET Water Quality/NPS Pollution Program for teachers and youth in North Dakota. There are no other entities, either through formal or informal agreements that sponsor the Project WET program.

Project WET North Dakota is funded partly with a Section 319 EPA Nonpoint Source Pollution Grant administered through the North Dakota Department of Health (NDDH) and sanctioned by the ND Nonpoint Source Task Force (NDNPSTF). A Section 319 NPS Pollution Project Implementation Plan (PIP) is submitted to both the NDDH and the NDNPSTF on a biennial basis. The NDSWC and the NDDH enter into a formal contract on an annual basis which formalizes the pass through of Section 319 NPS Pollution EPA funds and delineates the responsibilities of each organization in the delivery of the

Project WET program. North Dakota Project WET is also funded through state funds, fees charged to educators attending graduate credit programs and non-federal match.

4.2 Since 1984 North Dakota Project WET has had the support of local water, environmental, and education organizations. The North Dakota Water Resource Districts and North Dakota Water Users Associations have been instrumental in providing time, energy, and in certain instances, financial support to Project WET. Since 1993 the ND Water Education Foundation has supported the water education programs of Project WET with collaborative discussions. The local nine teacher learning centers (now completed through the statewide teacher center network) in North Dakota have provided their support of Project WET by helping promote its educational opportunities to K-12 educators statewide. The ND Department of Public Instruction and the ND Educational Standards and Practices Board have provided support through alignment of Project WET credit programs with current K-12 educator continuing education requirements (eg. No Child Left Behind). The institutions of higher education, which provide graduate credit for Project WET workshops and institutes, have also aligned Project WET credit opportunities in the core subject areas to meet K-12 educator certification standards. Teacher education associations and organizations (NDEA, NDSTA, NDGA,) have supported Project WET through ongoing invitations for Project WET to provide educational displays and presentations at association/organization meetings. Local school districts have requested Project WET educational opportunities to be presented at their schools. Natural resource agencies (USGS, SCD's, NDPRD, NDSU Extension Service, etc.) have asked Project WET to complete collaborative educational programs. Various other community and/or natural resource organizations have expressed their desire for Project WET to be involved in their environmental education efforts (Dakota Zoo, River Keepers, Dakota Science Center, Bismarck Public School system, Morton County Soil Conservation District, Gateway to Science, ND Outdoor Learning Centers, Prairie Waters Education and Research Center, Sully's Hill Natural Resources Program, etc.).

4.3 The State Water Commission's Project WET Program has a long history of coordination, cooperation, networking and interfacing with a wide array of local, state and federal water and natural resource related agencies, organizations, associations and programs in North Dakota, and many at the national level. Project WET has also been connected closely with the educational and environmental education community in North Dakota. The success of Project WET has been dependent upon this cooperative spirit. It has long been realized that the State Water Commission's Project WET Program, in carrying out it's mission of water quality/NPS Pollution education for K-12 educators and youth, must aggressively pursue coordinated resources, expertise and active participation of a wide array of educational, water and natural resource and environmental education entities.

**Educational:** Project WET fosters formal and informal communication and networking with a host of educational linkages. An agreement with the statewide ND Teacher Center Network is executed every year. This agreement provides for the promotion of Project WET educational opportunities in school districts statewide. Project WET communicates on a regular basis with Minot State University, Dakota College of Bottineau, NDSU and UND continuing education departments regarding course proposal, cost and credit requirements for each of the institutions. The majority of Project WET formal educator offerings are accredited through these departments in their

respective institutions. Project WET networks with the ND Department of Public Instruction and the ND Educational Standards and Practices Board to make sure its water education credit offerings meet current ND and national education standards that benefit ND formal K-12 educators. Project WET collaborates with the education departments and promotes water education programs for preservice teachers at two ND colleges and universities. Project WET has built linkages with the ND Education Association, the ND Science Teachers Association, the ND Home Educator's Association, the ND Geographic Alliance, the ND Reading Association, the ND Principals Association, the ND Superintendents Association and the ND Health and Physical Education Association. Promotional displays and educational presentations have been completed at many of these association annual conferences since the late 1980s. Project WET has participated in the annual State Science and Engineering Fair since 1996 by providing awards for the best water quality/NPS Pollution projects in the junior and senior student divisions.

**Water and Natural Resources:** Project WET continues to interface, collaborate and network with the ND water and natural resource community. Project WET involves all of the following agencies or organizations at various times in developing and completing its educational programs for K-12 educators and youth. Included are the ND State Water Commission, the ND Water Resource Districts and Water Users Associations, the ND Water Coalition, the ND Water Education Foundation, the ND Soil Conservation Districts Association, the ND Department of Health, the US Geological Survey, the US Bureau of Reclamation, the US Fish and Wildlife Service, the US Natural Resources Conservation Service, the US Army Corps of Engineers, the ND Forest Service, the ND Parks and Recreation Department, the Historical Society of ND, the ND Game and Fish Department and the ND Soil Conservation Districts.

**Business and Industry:** Project WET in North Dakota collaborates and networks with a wide variety of private and public business and industry in the development and implementation of the summer watershed institutes. Through contacts and tours, each summer institute exposes Project WET NPS pollution/water quality goals and programs to energy, irrigation, agricultural processing and other ND industries. The Project WET director meets with the managers and public relations staff of these industries to promote water quality/NPS pollution education for teachers and students. Water quality/NPS pollution and water use in action is a very important educational component of Project WET. Each institute introduces as many as three to seven new industries/businesses to teachers attending the institute.

**Environmental Education:** Project WET continues to collaborate and network with the environmental education organizations in ND. One of the most important is the Coalition for Conservation and Environmental Education (C<sup>2</sup>E<sup>2</sup>). Project WET has been involved with this organization since it was initiated in 1995. Meetings have been attended and Project WET has been involved in helping complete all publications, resources and projects produced or initiated through C<sup>2</sup>E<sup>2</sup>. Project WET routinely collaborates with the coordinators of Project Learning Tree (PLT), and Project Food, Land and People (FLP) and other major natural resource/environmental education programs in ND to support the education of K-12 educators and youth. Project WET continues to collaborate and network with the ND Outdoor Learning Centers, Sully's Hill Outdoor Learning Center and the Turtle River Outdoor Learning Center. Project WET has been involved in the non-profit organization Keep North Dakota Clean (KNDC) since 1998. Project WET

has helped sponsor their statewide environmental youth (grades 1-12) poster contest by sponsoring grade level six which has a NPS pollution/water quality theme. Project WET has jointly coordinated water education programs with the girl and boy scout organizations in North Dakota as well as 4-H youth including youth leaders in all of these organizations. Project WET was involved in the planning and implementation of the Red River and You watershed education program sponsored by the Red River Basin Commission from 2002-2012. Project WET has been involved with the ND Soil Conservation Districts Eco-Ed youth environmental education program since 1996, having presented the water quality/NPS pollution section at over 175 of these events. Project WET has been involved with the planning and implementation of the ND Envirothon since 1999 and serves on its logistics and steering committee and helps develop the water quality/NPS pollution (Aquatics) component of this program. Project WET has attended many of the Project WET USA national conferences since they were initiated in 1995. This involvement has provided an opportunity to network with and learn from the other state Project WET programs and how they implement water quality/NPS pollution water education in their respective states. Project WET was involved in the development of the first Earth Day celebration in Bismarck in 2008, as well as subsequent events.

**Project WET Advisory Committee:** The Project WET Advisory Committee has an important role in ongoing monitoring and evaluation of Project WET water quality/NPS pollution education activities. The Project director networks and collaborates with this Committee on an ongoing basis. All Advisory Committee members are Project WET facilitators and are actively involved in ongoing monitoring and evaluation through personal participation in Project WET programming. Monitoring and evaluation through the Advisory Committee is completed through e-mail, mail, the telephone and regular meetings.

Project WET water quality/NPS pollution programming described in this plan are reviewed by the Advisory Committee. The Advisory Committee can recommend changes in planned programming as a result of their review. The Project director has final overall responsibility in direction of planned programming.

The primary roles of the Advisory Committee is to:

- Assist in determination of program and resource needs and the monitoring and evaluation of Project WET and its overall programs, activities and accomplishments;
- Provide consultation and technical assistance in the implementation, maintenance, direction and future of Project WET;
- Assist in coordinating and networking Project WET with educational and water communities at all levels and with other water related and environmental education providers and programs; and
- Assist in stimulating school, teacher and youth, natural and water resource and public leader interest in Project WET.

Current Project WET Advisory Committee members are:

Dakota College of Bottineau  
Fargo Schools  
Bismarck Schools  
Dickinson Schools  
River Keepers  
North Dakota State University

North Dakota Department of  
Health University of North Dakota  
Minot State College

**4.4** Project WET is the only hands-on statewide water science and water quality/NPS pollution education program operating in North Dakota for K-12 formal and nonformal educators, K-12 students, and the general adult population. It is the only statewide water quality/NPS pollution education program that produces and uses comprehensive water quality education curriculum, resource materials and internet resources in all potential settings of K-12 educators and youth. Project will be expanding to include early childhood (pre K) students. Project WET is the only statewide water quality education program in ND that directs its entire program to water education. Project WET is involved in and collaborates with all other Information/Education 319 NPS pollution funded programs in North Dakota as part of the North Dakota Nonpoint Source Pollution Management Program plan for information and education goal and objectives. Project WET is recognized in the North Dakota Nonpoint Source Pollution Management Program plan for its unique water quality education program and unique placement in the water quality/NPS pollution education program in North Dakota. There are no other similar 319 NPS pollution funded programs in North Dakota. Therefore, there is no duplication or replication of 319 NPS pollution funding.

## **5.0 EVALUATION AND MONITORING PLAN**

**5.1** The State Water Commission's WET Program utilizes a variety of organizations, which aid in monitoring and evaluating the extent of success in meeting the goals, objectives and tasks as delineated in this plan. These include: 1) the Project WET Advisory Committee; 2) teachers and youth involved in utilizing and/or attending Project WET water quality/NPS initiatives; 3) water related agencies, organizations and/or associations directly and indirectly participating in Project WET water quality/NPS initiatives; 4) schools and higher education institutions sponsoring programs and/or credit courses; 5) Project WET facilitators; 6) the Project WET director through the 319 Nonpoint Source Pollution Project Implementation Plan; and 7) the ND State Water Commission. **A description of the roles and responsibilities of these entities can be found in the Appendix " project evaluation and monitoring plan roles and responsibilities. A description of the cumulative successes and accomplishments of the Project can be found in the Appendix as CUMULATIVE PROGRESS (July 1, 2009 – September 30, 2018).**

The following depicts specific methods that will be used to track and measure progress and benefits to targeted groups served by the Project. Described will be specific actions/measures (what, when, where, and how) that will be used to evaluate and monitor progress toward accomplishment of task outputs and objective endpoints. The Project will use questionnaires/surveys and audience feedback to: 1) track the degree to which teachers are satisfied with training received and their planned use of Project resources, materials and training in the classroom; 2) evaluate planned changes in student and teacher understanding; and 3) document participant numbers and satisfaction with the program.

Since the start of the Project WET NPS Pollution/Water Quality Program for Teachers and Youth in 1993, exit surveys have been provided to all educators that have completed a one, two, three and four credit graduate level workshop or institute. These surveys have provided objective information and evaluation on teacher learning obtained from all educational components instructed, the educational quality and usefulness of materials and resources provided, the quality of the instructors, the quality and

usefulness of the methods and techniques of instruction, the overall value of the workshop/institute to their school curriculum standards and grade and subject levels taught and their planned use of materials in their classroom with students. These exit surveys will be continued and results (located in appendix) will be incorporated into the annual report for the NPS Pollution grant.

Additionally, Project WET will begin to have all non-credit six hour program participants complete an exit survey with results also incorporated into the annual report for the NPS Pollution grant.

Some youth programs (water festivals, eco ed programs, environmental festivals, Earth Day, etc.) that the Project WET NPS pollution/water quality program is involved in, but is not the primary organizer, generally complete exit surveys of the various groups involved in the program (ie. teachers, youth, volunteers, presenters, etc.). Of course, for any Project WET NPS Pollution/water quality youth programs that are organized and completed through just Project WET, all participants will be required to complete an exit survey which assess learning and basic understanding of learned program components. These survey results will be incorporated into the annual report for the NPS Pollution grant.

**A COMPILATION OF THE EXIT QUESTIONNAIRES/SURVEYS CURRENTLY USED WITH THE PROJECT APPEARS IN THE APPENDIX UNDER PROJECT EVALUATION METHODS.** The following summarizes the various methods found at [http://www.swc.nd.gov/info\\_edu/water\\_education/](http://www.swc.nd.gov/info_edu/water_education/)

- History of North Dakota Project WET
- Multiple credit summer watershed institute evaluation (exit survey)
- Water festival presenter evaluation (exit survey)
- Water festival teacher evaluation (exit survey)
- Example of a page from a student water festival evaluation/journal
- Minot State University, North Dakota State University and University of North Dakota exit survey from single and multiple teacher credit programs

**6.0 PART ONE**

**BUDGET TABLE FOR NORTH DAKOTA PROJECT WET WATER QUALITY/NPS POLLUTION  
EDUCATION PROGRAM FOR TEACHERS AND YOUTH  
July 1, 2019 – June 30, 2021**

<b>PROJECT YEAR</b>	<b>JULY 1, 2019 – JUNE 30, 2020</b>	<b>JULY 1, 2020 – JUNE 30, 2021</b>	<b>JULY 1, 2019 – JUNE 30, 2021 TOTAL</b>
<b>EPA REQUESTED</b>	<b>\$87,500</b>	<b>\$87,500</b>	<b>\$175,000</b>
<b>STATE FUNDS</b>	<b>\$58,333</b>	<b>\$58,333</b>	<b>\$116,666</b>
<b>TOTAL PROJECT COSTS</b>	<b>\$145,833</b>	<b>\$145,833</b>	<b>\$291,666</b>

**6.0 PART TWO**  
**BUDGET TABLE FOR PROJECT WET WATER QUALITY/NPS POLLUTION EDUCATION PROGRAM**  
**FOR TEACHERS AND YOUTH**  
**July 1, 2019 – June 30, 2021**

<b>PROJECT OBJECTIVES AND TASKS</b>	<b>FEDERAL 319 FUNDS 19-21</b>	<b>MATCHING FUNDS 19-21</b>	<b>TOTAL FUNDS 19-21</b>
<b>OBJECTIVE 1: PROJECT WET MANAGEMENT AND SUPPORT SYSTEMS.</b>	<b>\$105,000</b>	<b>\$70,000</b>	<b>\$175,000</b>
<b>Task 1: Employ a Project Director</b>	<b>96,600</b>	<b>88,867</b>	<b>161,000</b>
a. Salary/Fringe	72,450	48,300	120,750
b. Travel/Per Diem (including non-state employees = facilitators)	24,150	16,100	40,250
	<b>4,200</b>	<b>2,800</b>	<b>7,000</b>
<b>Task 2: Maintain cost of support services.</b>	840	560	1,400
a. Office Equipment/Supplies	2,100	1,400	3,500
b. Postage/Printing	1,260	840	2,100
c. Miscellaneous Supplies	<b>4,200</b>	<b>2,800</b>	<b>7,000</b>
<b>Task 3: Support the cost of service contracts.</b>	2,520	1,680	4,200
a. Water Quality and non point pollution supporting curriculum and supplies.	1,680	1,120	2,800



<b>PROJECT OBJECTIVES AND TASKS</b>	<b>FEDERAL 319 FUNDS 19-21</b>	<b>MATCHING FUNDS 19-21</b>	<b>TOTAL FUNDS 19-21</b>
<b>OBJECTIVE 2: MAINTAIN CLASSROOM – READY TEACHING AIDS</b>	<b>\$14,000</b>	<b>\$9,333</b>	<b>\$23,333</b>
<b>Task 4:</b> Maintain Six Project WET Trunks.	<b>280</b>	<b>187</b>	<b>467</b>
<b>Task 5:</b> Maintain Project WET curriculum/educational materials.	<b>12,460</b>	<b>8,306</b>	<b>20,766</b>
a. National Project WET Activity guide	2,866	1,910	4,776
b. National Project WET supplemental water education materials	8,597	5,731	14,328
c. Other water quality/NPS Pollution education materials	997	665	1,662
<b>Task 6:</b> Purchase new and maintain existing indoor/outdoor water quality/ NPS Pollution education and training resources.	<b>1,260</b>	<b>840</b>	<b>2,100</b>
a. Repair and restock existing water quality test kits.	391	260	651
b. Purchase other water quality/NPS pollution education/training resources.	869	580	1,449

PROJECT OBJECTIVES AND TASKS	FEDERAL 319 FUNDS 19-21	MATCHING FUNDS 19-21	TOTAL FUNDS 19-21
<b>OBJECTIVE 3: COMPLETE EDUCATIONAL OPPORTUNITIES FOR 50,550 K-12 FORMAL AND NON-FORMAL EDUCATORS, YOUTH AND ADULTS</b>	<b>\$36,750</b>	<b>\$24,500</b>	<b>\$61,250</b>
<b>Task 7:</b> Provide and complete varying level credit/non-credit educational programs for 520 formal and nonformal educators.	<b>5,513</b>	<b>3,675</b>	<b>9,188</b>
a. 1 hour workshops for 240 educators	1,268	845	2,113
b. 6 hour non-credit preservice workshops for 120 educators	110	74	184
c. 15 hour credit workshops involving 160 educators	4,135	2,756	6,891
<b>Task 8:</b> Provide funds to selected organizations to develop and complete 22 water quality and NPS Pollution festivals (Make A Splash with Project WET) involving 35,000 third, fourth and fifth graders.	<b>14,700</b>	<b>9,800</b>	<b>24,500</b>
<b>Task 9:</b> Provide and complete varying level NPS Pollution and water quality education programs for 10,000 K-12 youth and adults at camps/school programs, other youth water education events and public water education events.	<b>7,350</b>	<b>4,900</b>	<b>12,250</b>

<b>PROJECT OBJECTIVES AND TASKS</b>	<b>FEDERAL 319 FUNDS 19-21</b>	<b>MATCHING FUNDS 19-21</b>	<b>TOTAL FUNDS 19-21</b>
<b>Task 10:</b> Develop and implement one Discover Today's Watershed Institutes for 30 K-12 formal and nonformal educators (three or four graduate credits each).	<b>10,044</b>	<b>4,900</b>	<b>12,250</b>
<b>Task 11:</b> Develop and implement four statewide NPS Pollution/water quality education poster contests involving 5,000 grade 6 youth with theme of "Help Prevent Runoff Pollution."	<b>2,380</b>	<b>1,225</b>	<b>3,062</b>
<b>OBJECTIVE 4: MAINTAIN FACILITATOR NETWORK AND PROMOTIONAL SUPPORT SYSTEM OF 25-30 PROJECT WET FACILITATORS.</b>	<b>\$12,250</b>	<b>\$8,167</b>	<b>\$20,417</b>
<b>Task 12:</b> Maintain facilitator network of 25-30 educators and facilitator recognition and incentive programs.	<b>6,248</b>	<b>4,165</b>	<b>10,413</b>
a. Facilitator recognition and incentive programs.	3,124	2,083	5,207
b. Attend Project WET promotional meetings/conferences.	3,124	2,082	5,206
<b>Task 13:</b> Complete two statewide facilitator leadership training for an additional 20 K-12 formal and nonformal educators.	<b>6,003</b>	<b>4,002</b>	<b>10,005</b>

<b>PROJECT OBJECTIVES AND TASKS</b>	<b>FEDERAL 319 FUNDS 19-21</b>	<b>MATCHING FUNDS 19-21</b>	<b>TOTAL FUNDS 19-21</b>
<b>OBJECTIVE 5:</b> PROVIDE A METHOD FOR ONGOING MONITORING, EVALUATION, OVERSIGHT AND DIRECTION THROUGH FOUR PROJECT WET ADVISORY/ COMMITTEE MEETINGS.	<b>\$1,750</b>	<b>\$1,167</b>	<b>\$2,917</b>
<b>Task 14:</b> Conduct four meetings of Project WET Advisory Committee (see Appendix for current Advisory Committee members).	<b>998</b>	<b>665</b>	<b>1,663</b>
<b>Task 15:</b> Complete various methods to track and measure (evaluate) Project objectives, task outputs, benefits and accomplishments.	<b>752</b>	<b>502</b>	<b>1,254</b>
<b>OBJECTIVE 6:</b> DEVELOP AND IMPLEMENT THE USE OF TECHNOLOGY TO PROMOTE WEB BASED RESOURCES, MATERIALS AND PROGRAMS FOR K-12 EDUCATORS, YOUTH AND ADULTS.	<b>\$5,250</b>	<b>\$3,500</b>	<b>\$8,750</b>
<b>Task 16:</b> Develop and maintain a web page for ND Project Wet water quality/NPA pollution/ solutions that will improve and increase delivery of resources and materials to K-12 educators, youth and adults	<b>2,100</b>	<b>1,400</b>	<b>3,500</b>
<b>Task 17:</b> Purchase and maintain technology and equipment to support dissemination of STEM based learning.	<b>3,150</b>	<b>2,100</b>	<b>5,250</b>

<b>PROJECT OBJECTIVES AND TASKS</b>	<b>FEDERAL 319 FUNDS 19-21</b>	<b>MATCHING FUNDS 19-21</b>	<b>TOTAL FUNDS 19-21</b>
<b>TOTAL FUNDING</b>	<b>\$175,000</b>	<b>\$116,666</b>	<b>\$291,666</b>

## APPENDIX

### PROJECT DESCRIPTION COMPONENTS

#### **Educational Resources and Materials (Overall 80% Directly related to NPS Pollution, Sustainable Solutions and Water Quality Issues through Educator Curriculum and Activity Guides, KIDS Youth Activity Booklets, Educational Trunks and Water Quality Monitoring Equipment).**

The centerpiece of the Project WET curriculum program is the Project WET K-12 Curriculum and Activity Guide which includes over 90 hands-on, active and innovative water and watershed activities that incorporate a variety of formats, such as large and small group learning, whole body activities, laboratory investigations, local and global topics, and involvement in community service projects. For more in-depth investigation of specific topics, North Dakota Project WET provides resource/curriculum guides that supplement the Project WET guide. Some guides include an extensive resource and reference section and all include hands-on activities. The format of the activities within each guide is modeled after the Project WET Guide. Current guides available are Discover A Watershed- Missouri River Guide (thirty-six science-based, multidisciplinary, and hands-on activities including an extensive background section pertaining to the Missouri River watershed for grades 6-12); WOW! The Wonders of Wetlands Guide (forty cross referenced and hands-on multi-disciplinary activities and an extensive background section pertaining to wetlands for grades K-12); the Conserve Water Guide (fifteen hands-on, science –based and multi-disciplinary activities and ten real life case studies for grades 6-12); Healthy Water/Healthy People Water Quality Guide and Test Kit Manual (25 hands-on, multi-disciplinary and science-based activities and test kits for grades 6-12); and a Watershed Managers Guide (fifteen hands-on science-based and multi-disciplinary activities which provide real world watershed management challenges for grades 6-12. Project WET also offers a comprehensive guide on how to develop and complete youth water festivals/celebrations, storybooks on the Rainstick and on Spring Water, and fun-filled Kids in Discovery (KIDS) activity booklets for youth on water conservation, water resources, stormwater, watershed protection, wetlands, water-every drop counts, oceans, big rivers, Red River of the North, groundwater and springs, Missouri River, water use, water quality, Lewis and Clark, fishing, Native waters and many others. The KIDS activity booklets are each colorful, 16 pages and include hands-on investigations, demonstrations, science experiments, science education and games and stories for grades 3-7.

In addition to the Project WET K-12 Curriculum and Activity Guide, the special topic-focused “water curriculum and activity guides” and youth activity booklets, North Dakota Project WET offers educators and youth, water resource trunk programs (water pollution, water history), and water resource reference materials. Project WET offers supplemental water resource education posters, North Dakota water resource and specialized watershed maps, and supportive publications. Topics covered through Project WET include atmospheric, surface and groundwater, water quality and quantity, watershed and water management, and water use, protection and conservation. A supplemental North Dakota activity guide, the K-12 Wetland Discovery Guide, a North Dakota Water Resource and Reference Folder, a comprehensive guide on how to develop and complete a youth water festival/celebration, a Project WET Facilitator

Handbook, a series of environmental education trading cards and a wide array of observational, chemical, physical and biological water quality investigation materials are also offered through Project WET. Correlated to Objective 2, Task 5.

**Education Programs for K-12 Formal and Nonformal Educators (Overall 80% Directly Related to NPS Pollution, Sustainable Solutions and Water Quality Issues through Educator Training at Various Lengths and Intensity of Programming).**

Project WET programs are designed to help youth learn how to think, not just what to think. The program provides a means for teachers and youth to grasp fundamental concepts related to water resources, water quality, watersheds, NPS pollution and the environment. Through Project WET programs, teachers and youth obtain skills for acquiring knowledge, test and apply that knowledge, and evaluate the results of their actions.

Project WET programs are disseminated to K-12 formal and non-formal educators through a variety of types of educational options. These options vary from one – two hour inservice session to single credit workshops, to five-day three graduate credit intensive summer institutes. The predominance of graduate credit offerings is partly a product of the history of continuing education policies by the state universities and colleges, local school boards and school administration, the State Department of Public Instruction, the Educational Standards and Practices Board and the needs of educators.

The major Project WET educational program options for K-12 formal and nonformal educators are:

**Inservice:** (80% Directly Related to NPS Pollution, Sustainable Solutions and Water Quality Issues): Two hour inservices are preferred although special three-four hour topic or thematic workshops or programs can be completed. No university credit is available. Depending upon the school CEU's (Continuing Education Unit) and inservice credit may be available. Intended to introduce practicing educators to the Project WET curriculum/activity guides, KIDS water quality/NPS pollution activity booklets and water quality testing materials. Correlated to Objective 3 Task 7.

**University Preservice** (80% Directly Related to NPS Pollution, Sustainable Solutions and Water Quality Issues): Length and program variable and usually negotiated with university or college. Should be six hours in length to provide Project WET K-12 Curriculum Guide, KIDS (Kids in Discovery Series booklets) and North Dakota Activity Guides (water resource posters, brochures, flyers can be made available). Credit is inherent through university or college as a required or extra program option for preservice teachers. Intended to provide preservice educators with a basic understanding of Project WET curriculum/activity guides, KIDS water quality/NPS pollution activity booklets and water quality testing materials. Correlated to Objective 3, Task 7.

**Six Hour Noncredit Workshop** (80% Directly Related to NPS Pollution, Sustainable Solutions and Water Quality Issues): Generally the minimum length workshop for participants to receive

national Project WET and North Dakota curriculum and activity guides, posters and other water quality/NPS education materials. No university credit is available. Depending upon school administration, recertification inservice credit may be available to formal educators. Intended to provide practicing educators with basic understanding of Project WET curriculum/activity guides, KIDS water quality/NPS pollution activity booklets and water quality testing materials. Correlated to Objective 3, Task 7.

**Fifteen-Hour Credit Workshop (80% Directly Related to NPS Pollution, Sustainable Solutions and Water Quality Issues):** One semester graduate credit available through Minot State University, UND or NDSU. Participants receive appropriate national Project WET and North Dakota curriculum and activity guides, reference and resource materials, posters, water resource maps and other education materials. Nine different credit workshop options are available: Project WET/Watershed Management; Project WET/Missouri River; Project WET/Water Celebration; Project WET/Water Quality (Healthy Water, Healthy People); Project WET/Wetlands; Project WET; Project WET/Lewis and Clark; Project WET/Conserve Water Workshop; and Project WET/Red River Workshop. Many variations of the above options are also available based upon request of educators. Intended to provide practicing educators with a more in-depth understanding of North Dakota water quality/NPS pollution issues and solutions through Project WET curriculum/activity guides, KIDS youth activity booklets and water quality testing materials. Correlated to Objective 3, Task 7.

**Summer Watershed Institutes (45 or 60 Hour Three or Four Credit Institute) (80% Directly Related to NPS Pollution, Sustainable Solutions and Water Quality Issues):** Project WET offers five-day and six-day intensive summer institutes for educators and youth leaders (July of each summer). The Discover Today's Devils Lake, Northwestern ND Missouri River, and Mouse River Institutes offer three graduate credits while the Discover Today's Missouri River, James and Sheyenne Rivers, Southwestern ND Missouri River Watershed and the Red River Institutes offer four graduates credits all through Minot State University, UND and NDSU. Educators and youth leaders receive appropriate national Project WET and North Dakota curriculum and activity guides, reference and resource materials, posters and other educational materials as indicated on the Project WET annual credit options flyer. Intensive water quality/NPS pollution, sustainable solutions presentations, tour investigations, hands-on activities and model demonstrations are included with these institutes.

Intended to provide an in-depth understanding and knowledge of watershed dynamics and management in relationship to water quality and NPS pollution, sustainable solutions and how water is used and treated in a watershed. Correlated to Objective 3, Task 10.

**Educational Programs for K-12 Youth and Adults (Overall 80% Directly Related to NPS Pollution, Sustainable Solutions and Water Quality Issues):**

Project WET NPS pollution/water quality programs are disseminated directly to K-12 youth through a variety of educational options. The three primary types of options are: water festivals/celebrations; youth camps/events, and youth service or action projects. Project WET sponsorship or facilitation of K-12 youth NPS pollution, sustainable solutions and water quality



issues in the past ten years has seen a very high growth. Thousands of youth every year hear the water quality/NPS pollution education message through these programs.

**Water Festivals/Celebrations** (80% Directly Related to NPS Pollution, Sustainable Solutions and Water Quality Issues): Water festivals/celebrations can be part day to four-day events to educate youth (could include adults in the form of a Family Exploration Night) about the importance of keeping our water clean, protecting our water against NPS pollution and other water quality issues and problems in their lives. The particular length, type of program and grade levels of youth targeted to attend is tailored to meet the needs of the local sponsoring schools and organizations (Usually fourth or fifth grade youth, but can be any combination of grade school youth). Water festivals/celebrations can be held indoors and/or outdoors depending upon the timing and setting of the planned event. They can involve less than one hundred to nearly two thousand youth. Most events include hands-on Project WET and other classroom ready NPS pollution and other water-related activities, demonstrations and exhibits. Large events can also include contests, games, a teacher resource area and NPS pollution related entertainment. Large or small, the purpose of a water festival or celebration is to expose youth to a wide variety of NPS pollution and water quality and watershed pollution issues. Generally targeted to elementary to middle school youth, these NPS/pollution water quality education events can involve a single school, community-wide schools and/or area wide or regional schools. The amount of planning and organizational time as well as financial commitment needed to complete a water festival or celebration depends upon the goals of the sponsoring school(s) or organizations(s) and can vary from low to high cost. Project WET is collaborating with an increasing number of potential sponsors to complete this type of NPS pollution water education program. North Dakota Project WET has produced “Make a Splash with Your Own Water Festival” water festival guide for any school or organization that would like to develop and complete a NPS pollution water quality festival.

ND Project WET contracts with local sponsoring organizations to provide some of the funding to offset costs associated with contacting school administrators and educators within school systems, recruiting presenters, volunteers and exhibitors, developing schedules and appropriate NPS pollution/water quality hands-on activities and promoting the water festival. The Make a Splash with Project WET and other non-funded water festivals is a critical component of the Project WET NPS Pollution grant. The intent of the festivals are to educate North Dakota youth on NPS pollution, sustainable solutions, watersheds and other water quality issues. Correlated to Objective 3, Task 8.

**Youth Camps/Youth Events** (80% Directly Related to NPS Pollution, Sustainable Solutions and Water Quality Issues): Project WET participates in youth camps and youth events that promote their education in NPS pollution, sustainable solutions and water quality issues. Project WET involvement can be indoor/outdoor part-day to multi-day programs to inform and educate youth about the importance of water quality. Programs are generally tailored to meet the needs of the sponsoring youth organization in terms of length, intensity and diversity of topics covered. These organizations can include boy and girl scouts, church sponsored youth programs, 4-H youth programs, science centers, museums, environmental learning centers, zoos, soil

conservation district Eco-Ed programs, state park youth programs, community public sponsored youth programs and any type of youth gathering or function. As with water festivals/celebrations, youth camp or youth event programs include Project WET and other hands-on classroom ready activities, exhibit areas demonstrations, contests and games focused on NPS pollution, sustainable solutions and water quality issues. Youth are exposed to selected activities that best meet the needs of the age group and organization.

Youth programs are generally attended by specific targeted youth through sponsoring organization enrollment and/or invitation. Youth camp/event NPS pollution, sustainable solutions and water quality issues education programs vary in length of time and content depending upon sponsoring organization goals and participating presenters. Correlated to Objective 3, Task 9.

**Family Community Centered Programs** (80% Directly Related to NPS Pollution, Sustainable Solutions and Water Quality Issues): Project WET participates in family and community centered events. These events can be sponsored by governmental agencies, environmental organizations, science centers, zoos, schools and school PTOs, community public organizations, state parks, natural resource organizations, water resource management/delivery agencies and organizations, youth organizations, community clubs, university college events, and any other group interested in promoting NPS pollution, sustainable solutions and water quality issues education. Often family and community programs are developed with youth water festivals, community art/craft shows, youth and community exhibitions, community recognition events, local historical events, youth camps, local, county and/or state fairs and many other events. Or they can be developed as a stand a lone program to educate the general public about NPS pollution, sustainable solutions and water quality issues. Correlated to Objective 3, Task 9.

**Water Actions – Community Service Learning Projects** (90% Directly Related to NPS Pollution, Sustainable Solutions and Water Quality Issues): Project WET works with K-12 educators and youth to develop and complete NPS pollution, sustainable solutions and water quality related community action/service learning projects. These projects get teachers and youth involved in tackling problems or issues, or that are aimed at improving an environmental setting. They are often most successful when they are focused on the local community. An action project can be simple or complex and can fit into a variety of educational settings. Many educators find that action education blends well with their regular teaching duties, while other educators choose to make it the basis for after-school sessions.

Action learning is also effective in nonformal settings. Nature centers, community water-related infrastructure and industry, zoos, scouting and 4-H programs, bible camps, community parks, public schools and science centers all have strong potential for action projects. Community action and service learning projects related to water can include water quality issues education, best management practices education, water festivals, family/community centered education programs, community group presentations, trail work, litter patrols, developing a school environmental club, designating and protecting environmentally sensitive areas, implementing water conservation practices, riparian restoration projects, cleaning up a river, storm drain stenciling projects, fund-raising for cleaning up a water resource, influencing laws and regulations that affect NPS pollution and water quality issues, monitoring lakes, rivers, streams

and watersheds, replanting vegetation along waterways, cultural/historical designation of waterways, designing and developing a school nature site, assessing the total health of a watershed and its waterways and many others. Projects can take place at home, in school, in the community, on the farm or anywhere in a local watershed. Correlated to Objective 3, Task 9.

**Project WET Programs for Early Childhood Educators:**

**Early Education Workshops (90% Directly Related to NPS Pollution/Solutions and Water Quality Education; 100% Directly Related to Water Education):** Six hour workshop to train early childhood educators to provide water based learning experiences for youth, ages 2-5. These experiences will promote creativity, wonder and curiosity to help foster a life-long understanding and appreciation for water resources (This program is in development stage).

**Project WET Programs for all North Dakota Citizens:**

**Family and Community Centered Program (80% Directly Related to NPS Pollution/Solutions and Water Quality Education; 100% Directly Related to Water Education):** Project WET participates in many family and community centered events. Often, family and community programs are developed with youth water festivals, community art/craft shows, youth and community exhibitions, community recognition events, local historical events, youth camps, local, county and/or state fairs and many other events. They can also be developed as a stand alone program to educate the general public about water resource issues.

**Water Action/Community Service Learning Projects (90% Directly Related to NPS Pollution/Solutions and Water Quality Education; 100% Directly Related to Water Education):** Community action/service learning projects get teachers and students involved in tackling water-related problems or issues, or that aim at improving an environmental setting. Projects can take place at home, in the school, in the community and on the farm (anywhere in a local watershed).

**Interactive Web-page (90% Directly Related to NPS Pollution/Solutions and Water Quality Education; 100% Directly Related to Water Education):** North Dakota Project WET will **maintain** Interactive web page allowing public access to water related internet resources, publications, and interactive programs that promote education, understanding and participation in reducing NPS pollution impacts and promoting healthy water quality practices.

Promoting action learning will become more accessible with technology and the development of interactive internet resources now that Project WET USA provides a water education portal that is a dynamic internet based and interactive platform for educators and facilitators to participate in discussion groups and collaboration on water related issues such as water quality, water education and non point source pollution. Within the portal is a searchable index for activities by grade level, topic and subject. Within the activities sections, educators can download and upload content and find ideas for community based action projects that moves the learner from

awareness to empowerment. Allowing students, educators, natural resource agencies and communities to find ways to solve local water issues with sustainable solutions.

Project WET USA has also launched [DiscoverWater.org](http://DiscoverWater.org). [DiscoverWater.org](http://DiscoverWater.org) provides free interactive lessons and activities online to the public. [DiscoverWater.org](http://DiscoverWater.org) combines student friendly illustration and animation with interactive, science based lessons about the important roles that clean water plays in our lives. This resource is free to all who want to understand water as a resource through a variety of interactive lessons that cover topics such as nonpoint water pollution, water quality, water cycle and more. The web experience is another tool that bring water lessons to life in a way that makes learning fun and encourages today's youth to take action and become tomorrow's responsible stewards of North Dakota's water resources.

### **PROJECT EVALUATION AND MONITORING PLAN ROLES AND RESPONSIBILITIES**

- 1) Project WET Advisory Committee:** The Project WET Advisory Committee has a very important role in ongoing monitoring and evaluation of Project WET water quality/NPS pollution education activities. The Project WET director completes an annual progress report on all activities scheduled to be started, developed and/or completed during that particular one year time period for review by the Advisory Committee. This report is also utilized as the annual progress report required by the 319 NPS pollution grant. All Advisory Committee members are Project WET facilitators and are actively involved in ongoing monitoring and evaluation through personal participation in Project WET activities. Monitoring and evaluation through the Advisory Committee is completed through e-mail, mail, the telephone and the annual meeting.

Project WET water quality/NPS pollution activities described in this plan are reviewed by the Advisory Committee. The Advisory Committee can recommend changes in plan activities as a result of their review.

The primary objectives of the Advisory Committee are to:

- Assist in determination of program and resource needs and the monitoring and evaluation of Project WET and its overall programs, activities and accomplishments;
- Provide consultation and technical assistance in the implementation, maintenance, direction and future of Project WET;

- Assist in coordinating and networking Project WET with the educational and water communities at all levels and with other water related and environmental education providers and programs; and
- Assist in stimulating school, teacher and youth, natural and water resource and public leader interest in Project WET.

- 2) ND Department of Health (NDDH)/Non-Point Source Task Force (NPSTF):** The NDDH has a mandated role in the monitoring and evaluation of all Project WET water quality/NPS pollution goals, objectives and tasks. As the lead agency responsible for the pass through of funds from the EPA to the NDSWC, the NDDH is responsible to assure that all EPA requirements are met by the NDSWC as a recipient of Section 319 NPS pollution funds. Some of these requirements include: 1) daily/monthly tracking of time and work duties allocated to the project; 2) completion and submittal of all semi-annual and annual project progress reports; 3) completion and submittal of quarterly Requests for Reimbursement for Section 319 federal funds; 4) signatory to and approval of the contract between the NDDH and the NDSWC; and 5) completion and submittal of any changes in project objectives and tasks along with monitoring overall project accomplishment. The NDDH must also provide the NPSTF with reports on the progress of Project WET in meeting its stated project goals, objectives and tasks and must develop rules and guidelines for NPSTF review of Project WET and other 319 NPS Pollution Project Implementation Plans.
- 3) Teachers and Youth:** All Project WET graduate credit educational offerings provide teachers an opportunity to evaluate (on-site) educational offerings in which they participate in. A formal evaluation questionnaire is provided to each participant that includes an evaluation of the reasons for attending, the most effective course components, an evaluation of the instructor(s)/facilitator(s), suggestions for improvements and course relevance to local and statewide educational standards. Separate evaluations are developed for the Project WET summer institutes. Teachers also evaluate their satisfaction with Make A Splash water festivals and their effectiveness in increasing youth learning on water quality/NPS pollution water issues provided through the festivals. Youth participating in these festivals and other jointly sponsored educational offerings are also given an opportunity to evaluate their own learning attained and the program itself.
- 4) Water Related Agencies, Organizations and Associations:** Project WET provides an annual listing of its educational offerings and collaborative meetings to all water resource districts with an invitation to provide comments on this listing. All water resource districts and soil conservation districts also receive brochures and flyers on the Project WET program and credit educational offerings. Opportunity is provided for these organizations to make comments on the direction and effectiveness of Project WET.

- 5) **Schools and Institutions:** School districts that sponsor/host a Project WET educator credit or youth program are given an opportunity to informally evaluate/comment on the program and its effectiveness/contribution to teacher and student learning.

Minot State University, UND and NDSU all have developed their own evaluation forms to provide their respective institutions with a formal method to look at all Project WET educator credit offerings and their effectiveness in meeting educator learning standards. These and other institutions have invited Project WET to be a part of their preservice educational methods classes. This gives their students an opportunity to evaluate student learning and the effectiveness of the Project WET program taken.

- 6) **Project WET Facilitators:** All Project WET facilitators are involved in ongoing monitoring and evaluation as part of their participation in and utilization of Project WET educational offerings and materials. There are ongoing discussions through e-mail, mail and telephone correspondence regarding the progress of Project WET in meeting the objectives and tasks described in the PIP. Nearly all members of the Project WET Advisory/Executive Committees are also Project WET Facilitators. This provides an opportunity for these facilitators to have a major impact on overall Project WET effectiveness. Several facilitators participate in the annual training and evaluation meeting.

- 7) **Project WET Director:** The Project WET director is responsible for ongoing monitoring of the Project Implementation Plan (PIP) and for directing the overall monitoring and evaluation components described above. The director also completes semi-annual and annual progress reports as a requirement for the Nonpoint Source Pollution Task Force. The Project WET director monitors the 319 NPS pollution grant monthly and quarterly expenditures. The Project WET director also submits an annual progress report to Project WET USA as its contribution for an overall national Project WET USA progress report.

- 8) **ND State Water Commission:** Ongoing meetings are held between the NDSWC Planning and Education Division director and the Project WET director regarding the current status of Project WET, the NPS pollution grant and what program changes, deletions and/or additions should or could take place. y

**SUMMARIZATION OF GENERAL ACCOMPLISHMENTS (July 1, 2015 – September 30, 2018)**

Project WET was involved in the following meetings, educational events, conferences workshops and institutes to help promote, advertise and disseminate information on its programs, deliver its educational materials to teachers and students, and enhance teacher use of existing curriculum. This includes set-up, helping set-up and/or attending curriculum development or enhancement projects, information and education or promotional meetings and conferences during this time period. Additional information and supporting documents may be viewed at [http://www.swc.nd.gov/info\\_edu/water\\_education/](http://www.swc.nd.gov/info_edu/water_education/)

July 6-10, 2015	Discover Today's Red River Watershed Institute, Mayville State College, Mayville, 22 K-12 Formal and Non-Formal Educators
August 3-7, 2015	Project WET Coordinators Annual Conference, Oklahoma
September 10-11, 2015	Dickinson Make a Splash Water Festival, Dickinson, 489 Grade 5 Youth
September 22-25 & 28, 2015	Red River Make a Splash Water Festival, Moorhead, MN, 2,010 Grade 4 Youth
October 10&17, 2015	North Dakota State University, Fargo Preservice Project WET Workshop, 16 Pre-service Educators
October 28-29, 2015	Minot Water Festival, Minot, 589 Grade 5 Youth
November 2&10, 2015	Dakota College at Bottineau Preservice Project WET Workshop, 10 Pre-service Educators
December 4-6, 2015	Project WET Facilitator Training Credit Workshop, Fargo, 6 K-12 Formal and Non-formal Educators
December 16, 2015	C2E2 Meeting, Bismarck
January 19, 2016	Envirothon Aquatics Committee, Bismarck
January 19-21, 2016	Red River Land and Water International Summit Conference, Canada
January 25, 2016	Earth Day Committee Meeting, Bismarck
January 28, 2015	North Dakota Teacher Resource Coalition Meeting, Medora
Februray 1, 2016	Bismarck Water Festival Meeting, Bismarck
February 25- 27, 2016	Home School Association Conference, Bismarck 5,000 Adult and Youth.
March 15, 2016	River Watch Forum, 125 Grades 9-12 Youth, Crookston, MN
March 16-17, 2016	Gateway to Science Environmental Festival, 963 Grade 5 Youth, Bismarck
March 22, 2016	Keep ND Clean Board Meeting, Bismarck
March 29, 2016	Prairie Waters Water Festival, 176 Grade 5 Youth, Kathryn
April 1-3, 2016	Project WET Facilitator Training Credit Workshop, Bismarck, 21 K-12 Formal and Non-formal Educators

April 6-9, 2016	National Association for Interpreters Conference, Bismarck, 250 Formal and Non-formal Educators
April 11-12, 2016	Morton County Make a Splash Water Festival, 223 Grade 5 Youth, Mandan
April 13, 2016	Envirothon Aquatics Committee, Valley City
April 15, 2016	Earth Day Committee Meeting, Bismarck
April 19, 2016	Dakota College Make a Splash Water Festival, Bottineau, 218 Grade 5 and 6 Youth
April 21, 2016	Bismarck Earth Day Festival, 620 Grade 8 Youth; )DPLO\ Exgpv"1 000 Adults and Youth
April 22, 2016	Keep ND Clean Poster Program, 2,044 Grades 6 Youth (12,769 Total Program)
April 22-24, 2016	ND Mathematics and Science Teacher Conference, 862 formal and Qon-formal Educators, Bismarck
April 27-28, 2016	Missouri Yellowstone Confluence Center Water Festival, Williston, 206 Grade 5 Youth
May 3-4, 2016	Grand Forks Children's Water Festival, East Grand Forks, 532 Grade"6 Youth
May 4, 2016	Wahpeton Red River Water Festival, Wahpeton. 340 Grades 3-6 Youth
May 10, 2016	Fort Totten Water Festival, 168 Grade 5 Youth, Fort Totten
May 11-13, 2016	ND Envirothon State Competition, Crystal Springs Baptist Camp, 110 Grades 9-12 Youth; 50 Adults
May 16-17, 2016	Bismarck Make a Splash Water Festival, Bismarck, 800 Grade 3 Youth
May 19, 2016	C2E2 Spring Annual Meeting, Bismarck
June 1, 2016	Envirothon Wrap up Meeting, Jamestown
June 10, 2016	Kick Off to Reading Program, 1000+, Pre K- Grade 5 Youth, Bismarck
July 10-15, 2016	Discover Today's Missouri River Watershed Institute, Bismarck State College, Bismarck, 25 K-12 Formal and Non-Formal Educators
July 27, 2016	Water Day at North Dakota State Fair, 1000+ Adult and Youth, Minot
August 1-3, 2016	EPA Region 8 Meeting, Denver, CO
August 8, 2016	Project WET Coordinators Annual Conference, Greenville, SC
August 25-28, 2016	EE Com, International Peace Garden, Canada
September 7, 2016	Whitestone Hill Education Day, 215 Grade 5 Youth, Kulm
September 19, 2016	Discovery Middle School Red River Clean up, 160 Grade 8 Youth, Fargo
September 20-23 & 26, 2016	Red River Make a Splash Water Festival, Moorhead, MN, 2.008 Grade 4 Youth



September 22-23, 2015	Dickinson Make a Splash Water Festival, Dickinson, 390 Grade 5 Youth
September 22, 2016	Dickinson Water Festival Family Night, Dickinson, approximately 250 Adults and Youth
September 25, 2016	Teddy Roosevelt Family Day, 300 Grade 2-8 Youth
September 28-29, 2016	Missouri Yellowstone Confluence Center Water Festival, Williston, 284 Grade 5 Youth
November 1-2, 2016	Minot Water Festival, Minot, 623 Grade 5 Youth
November 21, 2016	Keep North Dakota Clean Board Meeting, Bismarck
December 15, 2016	North Dakota Water Education Board of Directors, Bismarck
December 21, 2016	Earth Day Planning Meeting, Bismarck
February 10-12, 2017	Project WET Facilitator Training Credit Workshop, Bismarck, 21 K-12 Formal and Non-formal Educators
February 15-16, 2017	Water 101 Workshop, Mandan, 32 Adults
February 23- 26, 2017	Home School Association Conference, Fargo, 5,000 Adult and Youth.
March 15-16, 2017	Gateway to Science Environmental Festival, 954 Grade 5 Youth, Bismarck
March 21, 2017	Prairie Waters Water Festival, 176 Grade 5 Youth, Kathryn
March 22, 2016	Keep ND Clean Board Meeting, Bismarck
March 23-25, 2017	ND Science and Math Teacher Conference, Minot, 539 K-12 Formal Educators
March 25, 2017	Mayville Teacher Inservice Workshop, Mayville, 15 k-12 Formal Educators
April 11, 2017	Morton County Make a Splash Water Festival, 226 Grade 5 Youth, Mandan
April 20, 2017	Bismarck Earth Day Festival, 631 Grade Six Youth; Family Event 1,000+ Adults and Youth
April 20, 2017	Dakota College Make a Splash Water Festival, Bottineau, 270 Grade 5 and 6 Youth
April 21, 2017	Keep ND Clean Poster Program, 3,377 Grades 6 and 7 Youth (12,769 Total Program)
May 2-3, 2017	Grand Forks Children's Water Festival, East Grand Forks, 515 Grade 4 Youth
May 5, 2017	Wahpeton Red River Water Festival, Wahpeton, 298 Grades 3-6 Youth
May 10, 2017	Fort Totten Water Festival, 186 Grade 5 Youth, Fort Totten
May 10-12, 2017	ND Envirothon State Competition, Crystal Springs Baptist Camp, 118 Grades 9-12 Youth; 50 Adults
May 16-17, 2017	Bismarck Make a Splash Water Festival, Bismarck, 910 Grade 3 Youth

June 9, 2017	Kick Off to Reading Program, ,000+, Pre K- Grade 5 Youth, Bismarck
June 19-22, 2017	North Dakota Teacher Resource Conference, Dunseith ND, 37 Formal Teachers
June 27-28, 2017	Devils Lake Teacher Inservice Workshop, Devils Lake, 13 Formal Educators
July 9-14, 2017	Discover Today's Souris River Watershed Institute, Dakota College at Bottineau, Bottineau, 35 K-12 Formal and Non-Formal Educators
July 27, 2017	Water Day at North Dakota State Fair, 1,000+ Adult and Youth, Minot
September 7, 2017	Whitestone Hill Education Day, 215 Grade 5 Youth, Kulm
September 13, 2017	Discovery Middle School Red River Clean up, 325 Grade 8 Youth, Fargo
September 19-22 & 25, 2017	Red River Make a Splash Water Festival, Moorhead, MN, 2,157 Grade 4 Youth
September 22-23, 2017	Dickinson Make a Splash Water Festival, Dickinson, 599 Grade 5 Youth
September 22, 2017	Dickinson Water Festival Family Night, Dickinson, approximately 310 Adults and Youth
September 24, 2017	Teddy Roosevelt Family Day, 300 Grade 2-8 Youth
September 27-28, 2017	Missouri Yellowstone Confluence Center Water Festival, Williston, 342 Grade 5 Youth
October 26-27, 2017	Minot Water Festival, Minot, 650 Grade 5 Youth
December 5, 2017	Keep North Dakota Clean Board Meeting, Bismarck
January 22, 2018	Earth Day Planning Meeting, Bismarck
January 30, 2018	North Dakota Water Education Foundation Board of Directors, Bismarck
February 10, 2018	Envirothon Committee Test Writing Meeting, Kathryn ND
February 16-18, 2018	Home School Association Conference, Grand Forks, 2,500 Adult and Youth.
March 14-15, 2018	Gateway to Science Environmental Festival, 1,138 Grade 5 Youth, 98 Adults, Bismarck
March 16-18, 2018	ND Science and Math Teacher Conference, Minot 250 K-12 Formal Educators
March 21, 2018	Prairie Waters Water Festival, 260 Grade 5 Youth, Kathryn
March 28, 2018	ND Teacher Resource Conference Meeting, Bismarck ND
April 10, 2018	Morton County Make a Splash Water Festival, 112 Grade 5 Youth, Mandan
April 5 & 12, 2018	Project WET Preservice Training at NDSU and DCB, 22 Adults

April 14, 2018	Mayville State College Stem Festival, 300 K-5 Grade Youth, 300 + Adults
April 19, 2018	Bismarck Earth Day Festival, 900 Grade 6 Youth; Family event 1,200+ Adults and Youth
April 20, 2018	Dakota College Make a Splash Water Festival, Bottineau, 516 Grade 5 and 6 Youth
April 21, 2018	Keep ND Clean Poster Program, 2,056 Grades 6 and 7 Youth (10,500 Total Program)
May 1-2, 2018	Grand Forks Children's Water Festival, East Grand Forks, 511 Fourth Grade Youth
May 10, 2018	Fort Totten Water Festival, 205 Grade 5 Youth, Fort Totten
May 9-11, 2018	ND Envirothon State Competition, Crystal Springs Baptist Camp, 110 Grades 9-12 Youth; 50 Adults
May 14, 2018	Wahpeton Red River Water Festival, Wahpeton 298 Grades 3-6 Youth
May 14-15, 2018	Bismarck Make a Splash Water Festival, Bismarck, 905 Grade 3 Youth
June 1, 2018	Kick Off to Reading Program, 1,000+, Pre K- Grade 5 Youth, Bismarck
July 26, 2018	Water Day at North Dakota State Fair, 1,000+ Adult and Youth, Minot
September 12, 2018	Whitestone Hill Education Day, 240 Grade 5 Youth, Kulm
September 18-21 & 24, 2018	Red River Make a Splash Water Festival, Moorhead, MN, 2,110 Grade 4 Youth
September 20-21, 2018	Dickinson Make a Splash Water Festival, Dickinson, 598 Grade 5 Youth
September 20, 2018	Dickinson Water Festival Family Night, Dickinson, approximately 300 Adults and Youth
September 26-27, 2018	Missouri Yellowstone Confluence Center Water festival, Williston, 395 Grade 5 Youth
September 30, 2018	Teddy Roosevelt Family Day, 800 Grade 2-8 Youth
October 9-10, 2018	Minot Water Festival, Minot, 600 Grade 5 Youth