

Dear BBLA Members,

At the July 26, 2020 BBLA membership meeting there was a discussion and questions regarding the 319 grant issued to BBLA at the beginning of 2020. This letter is to further explain the current status of Phase 1 of the grant.

Beginning in February 2019 several members of BBLA Board, spearheaded by Dana Peterson, began drafting the 319 grant proposal with the assistance of York County Soil and Water District (YCSWD). The decision was made to make the grantee of the grant YCSWD based on their experience managing DEP grants. Their role is to ensure that the grant proposal is fulfilled as written including managing the funds and the steering committee process, create work plans and complete periodic reports to the DEP.

This grant, Phase 1, is a 2-year project. Covid 19 has impacted the project as you might expect and there is concern that the projects may not be completed by the expiration of the grant. We have been told by DEP that we can ask for a one-year extension, but only near the expiration date.

As part of the grant, many volunteer manhours are needed as you will see as you read further down in this letter. We have included the details of each project below.

It will be critical for BBLA to round up many volunteers for each of the projects. We have been in touch with schools for community service time, the local garden club and other community minded organizations to discuss volunteering manpower to assist with completing these projects. But until the time comes to do each project, we just do not know how many volunteers will be needed. Plus, we do not know the end date of social distancing.

There has been discussion about a Phase II but at this point completing an application is possibly 2-3 years out. It was the board's decision not to go forward with the Phase II portion of this project until we knew we could complete Phase I. The vote of the board was 6 yes, 1 no.

YCSWD agreed that while work on a Phase II grant application could indeed be done while working on Phase 1, it would be prudent to see the outcome of Phase I before investing time and energy into Phase II. There was originally concern from the DEP that BBLA would not be able to organize sufficient volunteers to complete each project within the grant.

Important to note that any work done before a grant is approved would not qualify for matching funds. And as you look at the numbers below, matching funds for time spent by volunteers is important. Volunteers receive a credit of \$23.12 per volunteer hour.

I hope this clears up any misunderstanding or confusion at the membership meeting. As always, if you have further questions, please feel free to contact us at BBLA.Board@gmail.com.

Sincerely,

BBLA Board of Trustees

THE 319 GRANT PROJECTS:

Oakland Cemetery High Impact Site

Description: Divide the project into two phases. In Phase 1, place native plantings (combination of trees and low bush vegetation) around the east side of the pond and establish a no-mow zone.

Stabilize slope above graves with pinned turf reinforced matting, mulch on top and seed. Establish native low bush vegetation and an infiltration trench along the side of the road above graves to reduce the amount of runoff.

In a future Phase 2 project, place native plantings around the west side of the pond and establish a no mow zone.

Cost: Grant \$4370.00 Match: \$4624.00 total: \$8994.00 Match would be volunteer manhours.

Sand Pond Road

Description: Stabilize the ditches with riprap on both sides of Sand Pond Road on either side of the crossing. Divert runoff from the armored ditches on the eastern side of road above and below the crossing to two turnouts.

These will be designed in accordance with the most recent version of the Maine BMP Manual and may include two level lip spreaders and two vegetated buffers. The curb and shoulders above the crossing will be stabilized as well.

Cost: Grant: 22,207.00 Match: \$17620.00 Match

Match would be volunteer manhours. City of Sanford, Utopia and volunteer manhours.

Channel Lane

Description: Asphalt curbing with rubber razors and infiltration trenches at multiple driveways are proposed, as well as placing native, low bush planting and erosion control mulch at these driveways. Several native planting will be placed at the property closest to the lake as well as live stakes

Cost: Grant: \$22,207 Match: \$17,620 Total: \$39,827

Below is part of the Bauneg Beg Phase I project

Partner Coordination, Roles and Responsibility

The York County Soil and Water Conservation District will lead the implementation of the work plan and provide technical assistance to BBLA.

The Bauneg Beg Lake Association will be on the steering committee, provide updates regarding the project in their newsletter, perform an educational workshop, provide educational materials in their Welcome Wagon packages, create and install signs within the watershed, update their website with the

latest information about the grant and help select residential properties to award recipients in the Residential Matching Grants task.

The City of Sanford will be involved in the steering committee and has acknowledged that they are in support of work to the Sand Pond Road NPS site within their Right of Way. The City engineer will also design plans for the Channel Lane NPS abatement site.

The Town of North Berwick will be involved in the steering committee and will contribute a laborer and equipment for a limited amount of time to assist in construction for the Sand Pond Road NPS site.

Participating Landowners will address NPS issues on their properties and conduct ongoing maintenance of BMPs.

A **consulting engineer from Cumberland County Soil and Water Conservation District (CCSWCD)** will be contracted through a subgrant (following procurement procedures in the DEP's NPS Grant Administrative Guidelines) to develop designs and provide construction oversight for the Sand Pond Road NPS abatement site.

Maine Department of Environmental Protection will administer project funding, serve as the project advisor and provide project and technical support.

The US Environmental Protection Agency will provide project funding and work plan guidance.

Breakdown:

Cost Category	Federal Funds	Non-Federal Match	Total Cost
Salary & Fringe (from Part 1)	\$12,456	\$0	\$12,456
Subgrant CCSWCD (Engineer)	\$1,727	\$0	\$1,727
Donated Services - Labor	\$0	\$16,325	\$16,325
Construction	\$37,500	\$23,170	\$60,670
Travel (mileage total)	\$168	\$18	\$186
Supplies	\$750	\$500	\$1,250
Other (Signage)	\$0	\$1,000	\$1,000
Totals	\$52,601	\$41,013	\$93,614

Sources of Non-federal Match and Estimated Amounts
italicized, bolded with underlined are my words, they are not in the project outline.

Sources of Non-federal Match	Amount
Total volunteer in-kind match (Labor) <u>manhours on projects</u>	\$16,325
Cash-Match Stormwater Compensation Fund (Construction)	\$15,500

BBLA cash match (Supplies and Signage) <i><u>already voted on</u></i>	\$1,500
Donated time for Laborer and Equipment from Town of North Berwick (Construction)	\$2,120
Donated time for engineering design from City of Sanford (Construction)	\$360
Travel for BBLA members for Education and Outreach Task (Mileage)	\$18
Donated Materials for Channel Lane project (Construction)	\$270
In-kind labor from Property Owners and Cash Match from Property Owners for Residential Matching Grants (Construction)	\$4,920
Total	\$41,013

Complete Bauneg Beg Lake Work Plan Phase I

Project Title	#20190014 Bauneg Beg Lake Watershed Protection Project Phase I
Organization	York County Soil and Water Conservation District
Project Start Date	February 15, 2020
Project Completion	December 31, 2021

I. Waterbody and Watershed Information

a. Background

Waterbody Name	Bauneg Beg Lake
Waterbody Size (e.g., lake acres, stream miles)	200-acre lake
Watershed Area (in acres or square miles)	16.4 square miles
Watershed Location (town(s), county(s))	North Berwick and Sanford, York County
Title and Date of Existing or Past Watershed-based Management Plan	Bauneg Beg Lake Watershed Protection Plan, April 2019
Public Access to Waterbody	Town Park and Carry-in launch on the southwest cove near dam

b. Waterbody and Watershed Physical Characteristics

Bauneg Beg Lake was likely a marshy wetland from which the Great Works River originated and flowed through several ice-age kettle ponds where there was deeper water. The lake lies within the greater Great Works River Watershed and empties into the Salmon Falls River. Goodall Brook is a tributary to the Great Works River and the Goodall Brook Watershed is located north-west of the Bauneg Beg Lake watershed. It is a sub-watershed of the Bauneg Beg Lake watershed. There is a dam at the southern end of Bauneg Beg Lake.

The maximum depth is 29 feet with an average depth of 9 feet. Bauneg Beg Lake's flushing rate is 8.8 times per year.

The centerline of the lake serves as the territorial boundary between the Town of North Berwick and the City of Sanford. The lands around the lakeshore are mostly developed with a mix of seasonal and year-round homes for about 200 families. There are two businesses of note on or near the lake; Waban Projects, which operates the Camp Waban summer program, and the Sanford Country Club public golf course. The lake is also home to a seaplane base.

The lands within the watershed are predominantly rural with about a quarter of the headwaters being a densely developed urban area in downtown Sanford. This includes the Goodall Brook watershed, which includes Sanford's City Hall, the Mainers' baseball stadium and several businesses along Main Street. The rural

areas are a mix of forested woodlands and wetlands interspersed with suburban residential and commercial development. There are also some small agricultural and husbandry farms. The major industry within the watershed is sand and gravel mining operations, with three large pits in operation.

c. Description of Waterbody Uses and Value

Today, Bauneg Beg Lake provides the local community with recreational opportunities such as swimming, boating and fishing. The lake supports an occasionally robust warm water fishery, which includes species of brown bullhead (hompout), chain pickerel, common shiner, largemouth bass, pumpkinseed sunfish, white and yellow perch, crappie, and white sucker. There is a deer wintering area within the watershed and Endangered Grass-Hopper Sparrow habitat and Bessel's Hairstreak habitat. Sightings of endangered Blandings, Spotted and Wood turtles have occurred within the watershed. Eastern Ribbon Snake habitat, a Species of Special Concern, also exists within the watershed. Vehicular access to lake properties is provided by a mix of public and private roads. Both Waban and the Great Works Regional Land Trust maintain publicly-accessible hiking trails on their properties on the lake.

II. Water Quality Problem or Threat

a. Water Quality Listing Status

Is water quality listed as impaired?	No
If impaired, what is the listed cause(s) and/or impaired use?	NA
Name and date of any DEP TMDL report(s) for the waterbody.	NA

b. Water Quality Overview

Water quality data has been collected on Bauneg Beg Lake since 1975. Bauneg Beg Lake Association (BBLA) conducts regular monitoring in coordination with Lake Stewards of Maine (LSM) and FB Environmental (FBE). Monitoring parameters include Secchi Disk Transparency (SDT), Chlorophyll-a (Chia), total phosphorus (TP) and dissolved oxygen (DO). DEP staff also periodically conduct baseline monitoring on the pond about every five years. Bauneg Beg is a highly colored lake with long-term averages of 2.9 m for SDT, 18 ppb for TP, and 7 ppb for Chia. Since the 1980s DO profiles reveal high DO depletion below 4 meters beginning in mid-summer with the potential for TP to leave the bottom sediments and become available to algae in the water column (internal loading).

Bauneg Beg Lake currently meets state water quality standards. However, it is listed in Chapter 502 of the Maine Stormwater Law as "Most at Risk from New Development" and on Maine's NPS Priority Watersheds list as a 'threatened lake'. It was placed on these lists because it was identified by DEP as being particularly sensitive to eutrophication based on current water quality, potential for internal recycling of phosphorus, potential as a cold-water fishery, volume or flushing rate, or projected growth rate in the watershed.

111. Watershed Nonpoint Pollution Sources and NPS Mitigation Activities

a. Summary of Watershed Assessments and Priority Nonpoint Pollution Sources

Bauneg Beg Lake's water quality is threatened by phosphorus enrichment. Phosphorus runoff increases significantly in developed landscapes. Stormwater flows across roads, driveways, residential properties and other developed areas and picks up phosphorus in soluble form or attached to eroded soil particles. In 1999, BBLA, DEP and York County Soil and Water Conservation District (YCSWCD) organized an independent survey of the lower watershed, and volunteers identified 130 erosion sites. The most significant sources at that time were associated with residential areas (61%), private roads (12%) and driveways (9%). A watershed-based plan was developed from 2012- 2014. BBLA conducted another locally-funded watershed survey in 2018. The project was managed by BBLA and DEP, and technical support was provided by DEP, York County SWCD, MDOT, the City of Sanford and FB Environmental. The survey documented 74 problem sites, 56 of these were high and medium impact sites. The greatest numbers of issues (41%) were located on private residential property and driveways. The second highest land use type was associated with state, town, and private roads (30%). All other land use types accounted for less than 29% of the sites. Aside from soil erosion, no other significant sources of phosphorus were observed during the survey. However, several large landowners opted to exclude their properties from the survey.

In addition to watershed surveys in the more rural parts of the watershed, local partners have also focused on assessing the NPS pollution sources in the urban parts of the watershed. From 2006-2008, the Goodall Brook Survey and Hotspot ID Project (#2007PP09) identified problem areas and restoration opportunities in the Goodall Brook watershed and along the stream corridor. In 2012-2014, the City of Sanford, BBLA, and YCSWCD conducted monitoring and developed a watershed-based plan for Goodall Brook (#2012RT17). Both projects were funded in part by USEPA under Section 604(b) of the Clean Water Act.

b. Description of Watershed Activities to Address NPS Pollution

Past or ongoing activities to address NPS sources:

- **2001-2005:** YCSWCD and BBLA carried out the Bauneg Beg Lake BMP Demonstration Project (#2001-06). The project fixed erosion problems at 10 sites in the watershed and provided technical assistance to 20 landowners. This project was funded in part by USEPA under Section 319 of the Clean Water Act.
- **2006-2008:** YCSWCD carried out the Northern Great Works River Watershed Improvement Project, Phase 1 (#2006R-2). The project installed BMPs to fix erosion problem on 20 NPS sites in Bauneg Beg Lake's upper watershed. This project was funded in part by USEPA under Section 319 of the Clean Water Act.
- **2011:** BBLA and City of Sanford raised local funds materials, services, and volunteer labor and coordinated the installation of three tree box filters adjacent to the Sanford Mainers baseball stadium parking lot.
- **2016-2018:** The Goodall Brook Restoration Project Phase I (#2016RT08) installed BMPs to complete seven of the ten high and medium priority NPS sites in the

Goodall Brook Watershed Management Plan. This included making significant adjustments to improve the function of three tree box filters previously installed with local funding, installation of a Focal Point bioretention system at the Roberts Street parking lot, and retrofits to two stormwater outfalls to improve storage and treatment. This project was funded in part by USEPA under Section 319 of the Clean Water Act.

- **2017-2018:** BBLA planned and installed the Macworth filter system on Country Club Brook. The multi-screen system with its various sized mesh openings allows water to pass through while capturing phosphorus.

Anticipated Future Project Phases:

It is anticipated that two phases would be needed to substantially implement the WBP. Following Phase I, approximately one additional phase would address the remainder of the Oakdale Cemetery erosion stabilization measures, as well as address remaining medium and lower priority NPS sites, acting as sources of phosphorous to Bauneg Beg Lake. These sites would include four private road sites, three commercial sites, six town road sites, 17 residential sites, six beach access sites, a trail and boat launch.

IV. Purpose

The overall purpose of this project is to reduce phosphorous and sediment loading to Bauneg Beg Lake. This goal will be met through installation of structural best management practices (BMPs) in the watershed and education and outreach within the local community. The project will install BMPs at three high priority sites identified in the 2018 Bauneg Beg Lake Watershed Survey and as recommended in the Bauneg Beg Lake Watershed-Based Protection Plan. A residential matching grants program will be created to address NPS Pollution on ten properties within the watershed. Additionally, a combination of educational signs, project signs and watershed boundary signs will be posted throughout the watershed.

V. Epyiropmental Outcome

This project will help to maintain the lake's attainment of Class GPA standards in Bauneg Beg Lake and reduce phosphorous, nitrogen and sediment loading to the lake from within the watershed. A significant reduction of pollutant loading is expected as a result of addressing identified high priority NPS sites.

VII. Partner Coordination, Roles and Responsibility

The **York County Soil and Water Conservation District** will lead the implementation of the work plan and provide technical assistance to BBLA.

The **Bauneg Beg Lake Association** will be on the steering committee, provide updates regarding the project in their newsletter, perform an educational workshop, provide educational materials in their Welcome Wagon packages, create and install signs within the watershed, update their website with the latest information about the grant and help select residential properties to award recipients in the Residential Matching Grants task.

The **City of Sanford** will be involved in the steering committee and has acknowledged that they are in support of work to the Sand Pond Road NPS site within their Right of Way. The City engineer will also design plans for the Channel Lane NPS abatement site.

The **Town of North Berwick** will be involved in the steering committee and will contribute a laborer and equipment for a limited amount of time to assist in construction for the Sand Pond Road NPS site.

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A **consulting engineer from Cumberland County Soil and Water Conservation District (CCSWCD)** will be contracted through a subgrant (following procurement procedures in the DEP's NPS Grant Administrative Guidelines) to develop designs and provide construction oversight for the Sand Pond Road NPS abatement site.

Maine Department of Environmental Protection will administer project funding, serve as the project advisor and provide project and technical support.

The **US Environmental Protection Agency** will provide project funding and work plan guidance.

VIII. Tasks, Schedules and Estimated Costs

All press releases, outreach materials, project signs, and plans will acknowledge that the project is funded in part by the United States Environmental Protection Agency under Section 319 of the Clean Water Act. Project staff will consult with DEP on EPA's public awareness terms and conditions for Section 319 grants before the project commences. In addition, project staff will consult with DEP and EPA before project signs are designed. Refer to the Grant Agreement, Rider A. Section IV. D. Acknowledgement.

The project will not use project funds to undertake, complete or maintain work required by existing permits, consent decrees or other orders. Project staff will exercise best professional judgment in the selection, design and installation of BMPs for NPS sites and will design and install BMPs at NPS sites according to design guidance described in Maine BMP guidance manuals or use other BMPs acceptable to the DEP. Project staff will ensure that permits required for construction are secured prior to construction and BMPs are constructed in an acceptable manner, before reimbursing landowners according to applicable Cost Sharing Agreements.

DEP guidelines "*Using Project Funds/or Construction of BMPs at Road-related Sites*" will be used to evaluate road-related NPS sites and determine if NPS project funds can be used to help a landowner pay for construction of road-related BMPs.

Task 1 - Project Management

YCSWCD will administer the project according to the grant agreement with DEP.
YCSWCD will track project progress, expenses, matching funds, and submit semi-

annual progress reports, pollutants controlled reports, and a final project report and other project deliverables. YCSWCD will establish a sub-contract with CCSWCD for engineering services as well as establish an NPS Site Tracker spreadsheet tool to efficiently accumulate and record information about NPS sites observed during this project to enable continued activity in future years to maintain existing BMPs and address new NPS sites.

Start and Completion Dates	02/2020 to 12/2021	
Grant Cost: \$5,280	Match Cost: \$555	Total Cost: \$5,835
Breakdown of Grant by Cost Category: \$5,280 (<i>YCSWCD salary/fringe</i>)		
Breakdown of Match by Cost Category: \$555 (<i>donated services -BBLA</i>)		

Task 2 - Steering Committee

A steering committee will guide project activities and hold four meetings during the grant period. This committee will include representatives from YCSWCD, BBLA, the City of North Berwick, the City of Sanford, DEP and interested Bauneg Beg Lake watershed residents.

Start and Completion Dates	02/2020 to 12/2021	
Grant Cost: \$988	Match Cost: \$1,829	Total Cost: \$2,817
Breakdown of Grant by Cost Category: \$720 (<i>YCSWCD salary/fringe</i>), \$18 (<i>YCSWCD travel</i>), \$250 (<i>YCSWCDsuovlies</i>)		
Breakdown of Match by Cost Category: \$1,829 (<i>donated services - BBLA, City of North Berwick, City of Sanford</i>)		

Task 3 - BMP Installation at NPS Sites

YCSWCD will submit final design, specifications, and construction plans for one town road site, one private property and one private road site to DEP for review and approval before construction begins. An NPS Site Report, including before and after photographs, will be prepared for each completed site. NPS abatement sites were selected based on the following criteria: high priority and high impact NPS sites identified during the 2018 watershed survey, public visibility, and landowner cooperation. The candidate sites are outlined in the Candidate NPS Site List.

Start and Completion Dates	02/2020 to 12/2021	
Grant Cost: \$37,081	Match Cost: \$25,648	Total Cost: \$62,730
Breakdown of Grant Cost by Cost Category: \$1,560 (<i>YCSWCD salary/fringe</i>), \$1,727(<i>contractual CCSWCD</i>), \$33,500 (<i>construction</i>), \$250 (<i>YCSWCD supplies</i>), \$26 (<i>YCSWCD travel</i>), \$18 (<i>CCSWCD travel</i>)		
Breakdown of Match by Cost Category: \$ 15,500 (<i>construction cash-match BBLA-Stormwater Mitigation Fund</i>), \$7,398 (<i>donated services -BBLA and volunteer in-kind match</i>), \$2,120 (<i>construction - Town of North Berwick</i>), \$360 (<i>construction engineering-City of Sanford</i>), \$270 (<i>construction-donated Materials</i>)		

Task 4 - Education and Outreach

Workshop: BBLA will host one buffer workshop for residents of the Bauneg Beg Lake watershed, and other interested parties, about buffer plantings that are successful and specific to Bauneg Beg Lake soil conditions. The workshop will be hands on, include a guest speaker and be hosted at one of the residential matching grant properties. YCSWCD will create a design for the property, and volunteer attendees will install buffer plantings as a part of the workshop. YCSWCD will attend the workshop and assist volunteers. BBLA will also develop a workshop summary with photographs and submit to YCSWCD as a project deliverable.

Presentations: BBLA hosts several membership meetings throughout the year. The most heavily attended is their May meeting. BBLA will present information about the grant at the meeting, and YCSWCD will present information about the work plan and residential matching grants. YCSWCD will also present information about the project at one town council meeting in North Berwick and in Sanford.

Publications: Information about the implementation grant and updates will be provided in the biannual BBLA newsletter over the course of the two-year grant and in approximately 20 new Welcome Wagon information package materials provided by BBLA to landowners around Bauneg Bake Lake. BBLA will also post the approved work plan and the watershed-based management plan to their website with information about each publication. Copies of all Welcome Wagon packages and a link to the website will be provided to YCSWCD.

Educational Signs: BBLA will create and design approximately 12 educational signs, three NPS project signs and four watershed boundary signs to be installed by BBLA. In total, approximately 19 signs will be created. YCSWCD will order the signs and assist in design.

Start and Completion Dates	02/2020 to 12/2021	
Grant Cost: \$820	Match Cost: \$7,136	[Total Cost: \$7,956
Breakdown of Grant Cost by Cost Category: <i>\$816 (YCSWCD salary/fringe), \$4 (YCSWCD travel)</i>		
Breakdown of Match by Cost Category: <i>\$4,693 (donated services - volunteer and BBLA), \$18(BBLA travel), \$1,500 (BBLA for signs and welcome wagon material supplies), \$925(donated services- volunteers at buffer planting workshop)</i>		

Task S - Residential Matching Grants:

A residential matching grants program will be established by YCSWCD to address high and medium impact sites. A total of 10 conservation grants will be awarded to landowners for up to \$400 toward the purchase of native plants and/or materials for conservation practices such as runoff diverters, infiltration steps, trenches, drywells and buffers. BBLA and YCSWCD will choose the awardees. Technical assistance, design and permitting will be provided by YCSWCD at each site. A brief report summarizing site conditions, recommendations, and design will be provided to each landowner with each of these grants, including photos of each site. Each grant recipient will sign a cost-share agreement prior to construction outlining the 50% match requirement and verification of proper installation will occur to complete the agreement. One final summary report will list descriptive information, including

recommendations and before and after photos for all sites receiving the matching grants and be submitted as a deliverable to the MDEP.

Start and Completion Dates	02/2020 to 10/2021	
Grant Cost: \$7,926	Match Cost: \$5,845	Total Cost: \$13,771
Breakdown of Grant Cost by Cost Category: \$3,600 (YCSWCD salary/fringe), \$76 (YCSWCD travel), \$250 (YCSWCD supplies), \$4,000 (construction)		
Breakdown of Match by Cost Category: \$925 (donated services-BELA), \$4,920 (construction - property owner)		

Task 6 - Pollutant Load Reduction Estimates

Project staff will estimate NPS pollutant load reductions and resources protected under this project. During design or installation of conservation practices at NPS sites, appropriate field measurements will be recorded to prepare estimates of pollutant load reductions. Estimates will be prepared for all NPS sites, unless there is not an applicable estimation method. Methods to be used are the EPA Region 5 Load Estimation Model <http://it.tetrattech-ffx.com/step1web/> and/or the U.S. Forest Service WEPP Road Model at <http://forest.moscowfsl.wsu.edu/fswapp/> Results will be provided using DEP's "Pollutants Controlled Report" (PCR), which will be submitted to the DEP, by December 31st of each project year.

Start and Completion Dates	02/2020 to 12/2021	
Grant Cost: \$506	Match Cost: \$0	Total Cost: \$506
Breakdown of Grant Cost by Cost Category: \$480 (YCSWCD salary/fringe), \$26 (YCSWCD travel)		
Breakdown of Match by Cost Category: <i>nla</i>		

IX. Deliverables

An electronic copy of each deliverable will be provided to the DEP Agreement Administrator (AA). DEP will forward an electronic copy of all deliverables to EPA. Each deliverable will be labeled according to procedures described in DEP document *Nonpoint Source Grant Administrative Guidelines*, <http://www.maine.gov/dep/water/grants/319-documents/2016GrantAdminGuidelinesFinal/2.docx>.

1. Subagreement with CCSWCD, semi-annual progress reports, final project report, NPS site tracker (Task 1)
2. Summary of educational workshop, Semi-annual newsletters, Welcome Wagon materials, A printout of updated BBLA website materials, Presentation and any handouts for May BBLA meeting, templates of signs (Task 4)
3. NPS Site Report for each NPS Site (Task 3)
4. Summary table listing outcome of work completed at landowners properties: including location site, landowner name, brief description of problem, BMPs recommended, and BMPs implemented (Task 5)

5. Pollutant Controlled Reports each year until project completion (Task 6)

x. Project Coordinator

Name	Jennifer Harris
Organization	York County Soil and Water Conservation District
Mailing Address	21 Bradeen Street: Suite 104, Springvale, ME 04083
Telephone Number	(207) 324-0888 ext 208
Email Address	jharris@yorkswcd.org
DUNS Number	969768717

XI. Budget Information

Federal Funds:	\$ 52,601
Non-Federal Match:	\$41,013
Proposed Total Cost:	\$93,614

Part 1, Estimated Personnel Expenses: (Grantee staff only)

Position Name & Title	Hourly Rate	Number of Hours	Salary & Fringe	Total Grantee Personnel
Jennifer Harris, YCSWCD Project Manager	\$60.00	208	\$12,456	\$12,456
Totals		208	\$12,456	\$12,456

Part 2. Budget Estimates by Cost Category

Cost Category	Federal Funds	Non-Federal Match	Total Cost
Salary & Fringe (from Part 1)	\$12,456	\$0	\$12,456
Subgrant CCSWCD (Engineer)	\$1,727	\$0	\$1,727
Donated Services - Labor	\$0	\$16,325	\$16,325
Construction	\$37,500	\$23,170	\$60,670
Travel (mileage total)	\$168	\$18	\$186
Supplies	\$750	\$500	\$1,250
Other (Signage)	\$0	\$1,000	\$1,000
Totals	\$52,601	\$41,013	\$93,614

Travel - YCSWCD 341 miles at 0.44/mile, CCSWCD 41 miles at 0.44/mile, BBLA volunteers match 41 miles at 0.44/mile


Supplies- \$750 YCSWCD supplies for printing and education materials for residential matching properties, \$500 BBLA cash match for printing Welcome Wagon materials

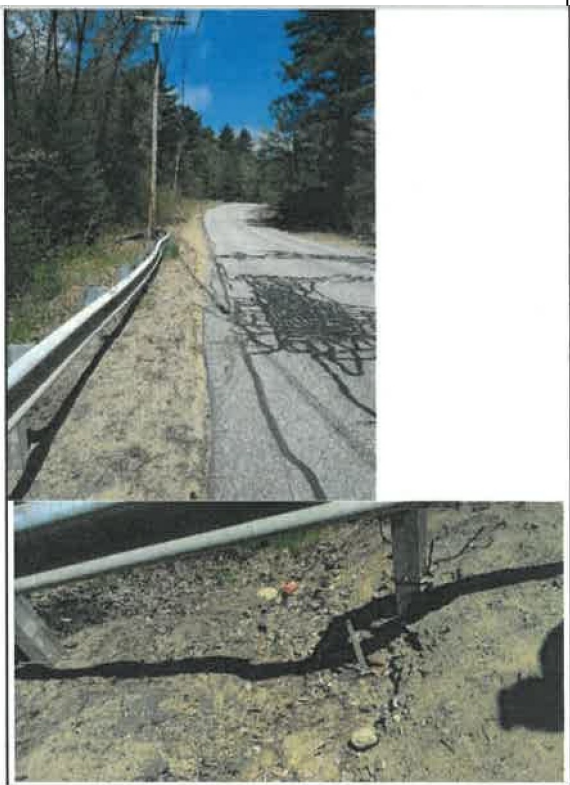
Other-\$1,000 BBLA cash match for educational signage, Total \$8,000 (will be \$400 offered to 10 properties in residential matching grants. Property owners will provide \$400 cash match


Part 3. Sources of Non-federal Match and Estimated Amounts

Sources of Non-federal Match	Amount
Total volunteer in-kind match (Labor)	\$16,325
Cash-Match Stormwater Compensation Fund (Construction)	\$15,500
BBLA cash match (Supplies and Signage)	\$1,500
Donated time for Laborer and Equipment from Town of North Berwick (Construction)	\$2,120
Donated time for engineering design from City of Sanford (Construction)	\$360
Travel for BBLA members for Education and Outreach Task (Mileage)	\$18
Donated Materials for Channel Lane project (Construction)	\$270
In-kind labor from Property Owners and Cash Match from Property Owners for Residential Matching Grants (Construction)	\$4,920
Total	\$41,013

CANDIDATE NPS SITES

Name of Project: Bauneg Beg Lake Watershed Protection Project Phase I				Photographs
NPS Site Name & Location	Describe the NPS Site & Conditions at the Site Causing Polluted Runoff to Reach Surface Waters	BMPs Recommended	Construction Cost Estimates: Grant, Match, Total	
<p>NPS Site Name: Oakland Cemetery High Impact Site</p> <p>Location: Oakdale Cemetery, Sanford</p>	<p>There is currently sediment erosion and de-stabilization within the banks of the pond the Great Works River. This is primarily due to sheet flow. Sheet flow comes down from adjacent areas and roads, primarily from a hill with graves above the pond.</p>	<p>Divide the project into two phases. In Phase 1, place native plantings (combination of trees and low bush vegetation) around the east side of the pond and establish a no-mow zone. Stabilize slope above graves with pinned turf reinforced matting, mulch on top and seed. Establish native low bush vegetation and an infiltration trench along the side of the road above graves to reduce the amount of runoff.</p> <p>In a future Phase 2 project, place native plantings around the west side of the pond and establish a no mow zone.</p>	<p>Grant: \$4,370 Match: \$4,624 Total: \$8,994</p>	

NPS Site Name & Location	Describe the NPS Site & Conditions at the Site Causing Polluted Runoff to Reach Surface Waters	BMPs Recommended	Construction Cost Estimates: Grant, Match, Total	Photographs
<p>NPS Site Name: Sand Pond Road</p> <p>High Impact Site</p> <p>Location: Sand Pond Road, Great Works River Crossing, North Berwick and Sanford</p>	<p>Erosion is occurring around the culvert and is exacerbated by the lack of storm water runoff controls on the road above the site, as well as unstable road shoulders.</p>	<p>Stabilize the ditches with riprap on both sides of Sand Pond Road on either side of the crossing. Divert runoff from the armored ditches on the eastern side of road above and below the crossing to two turnouts.</p> <p>These will be designed in accordance with the most recent version of the Maine BMP Manual and may include two level lip spreaders and two vegetated buffers. The curb and shoulders above the crossing will be stabilized as well.</p>	<p>Grant: \$22,207 Match: \$17,620 Total: \$39,827</p>	

NPS Site Name & Location	Describe the NPS Site & Conditions at the Site Causing Polluted Runoff to Reach Surface Waters	BMPs Recommended	Construction Cost Estimates: Grant, Match, Total	
NPS Site Name: Channel Lane	Erosion from the lane is occurring and runoff and sedimentation are	Asphalt curbing with rubber razors and infiltration trenches at multiple driveways are proposed, as well as placing native, low	Grant: \$10,210 Match: \$3,404 Total: \$13,614	
High Impact Site	going into a stream that outlets	bush plantings and		
Site	Bauneg Beg Lake. A property nearest the	control mulch at these driveways.		
Location: tributary Entrance to stream requires Channel plantings as	lake and the buffer	Several native plantings will be placed at the property closest to the lake as well as live stakes.		
Lane,	well, where			
Sanford	development is within 25 feet of the stream.			

