

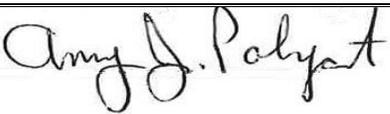
**State of Maine**  
**Department of Department of Environmental Protection**  
*Bureau of Water Quality*  
**PROPOSAL COVER PAGE**  
**RFP#201604086**  
**Grants for Nonpoint Source Pollution Control Projects**  
**Watershed Plan Implementation**

Bidder's Organization Name: Penobscot County Soil and Water Conservation District (PCSWCD)		
Chief Executive - Name/Title: Amy Polyot, District Manager & District Board of Supervisors		
Tel: 947-6622	Fax: 942-1782	E-mail: amy.polyot@penobscotswcd.org
Headquarters Street Address: 1423 Broadway, Suite 2		
Headquarters City/State/Zip: Bangor, ME 04401		
<i>(provide information requested below if different from above)</i>		
Lead Point of Contact for Proposal - Name/Title: Amy Polyot/ District Manager		
Tel:	Fax:	E-mail:
Street Address:		
City/State/Zip:		

Proposed Cost:	\$ 94,295
<i>The proposed cost listed above is for reference purposes only, not evaluation purposes. In the event that the cost noted above does not match the Bidder's detailed cost proposal documents, then the information on the cost proposal documents will take precedence.</i>	

- This proposal and the pricing structure contained herein will remain firm for a period of 180 days from the date and time of the bid opening.
- No personnel currently employed by the Department or any other State agency participated, either directly or indirectly, in any activities relating to the preparation of the Bidder's proposal.
- No attempt has been made or will be made by the Bidder to induce any other person or firm to submit or not to submit a proposal.
- The undersigned is authorized to enter into contractual obligations on behalf of the above-named organization.

*To the best of my knowledge, all information provided in the enclosed proposal, both programmatic and financial, is complete and accurate at the time of submission.*

Name (Print): Amy Polyot	Title: District Manager
Authorized Signature: 	Date: June 23, 2016

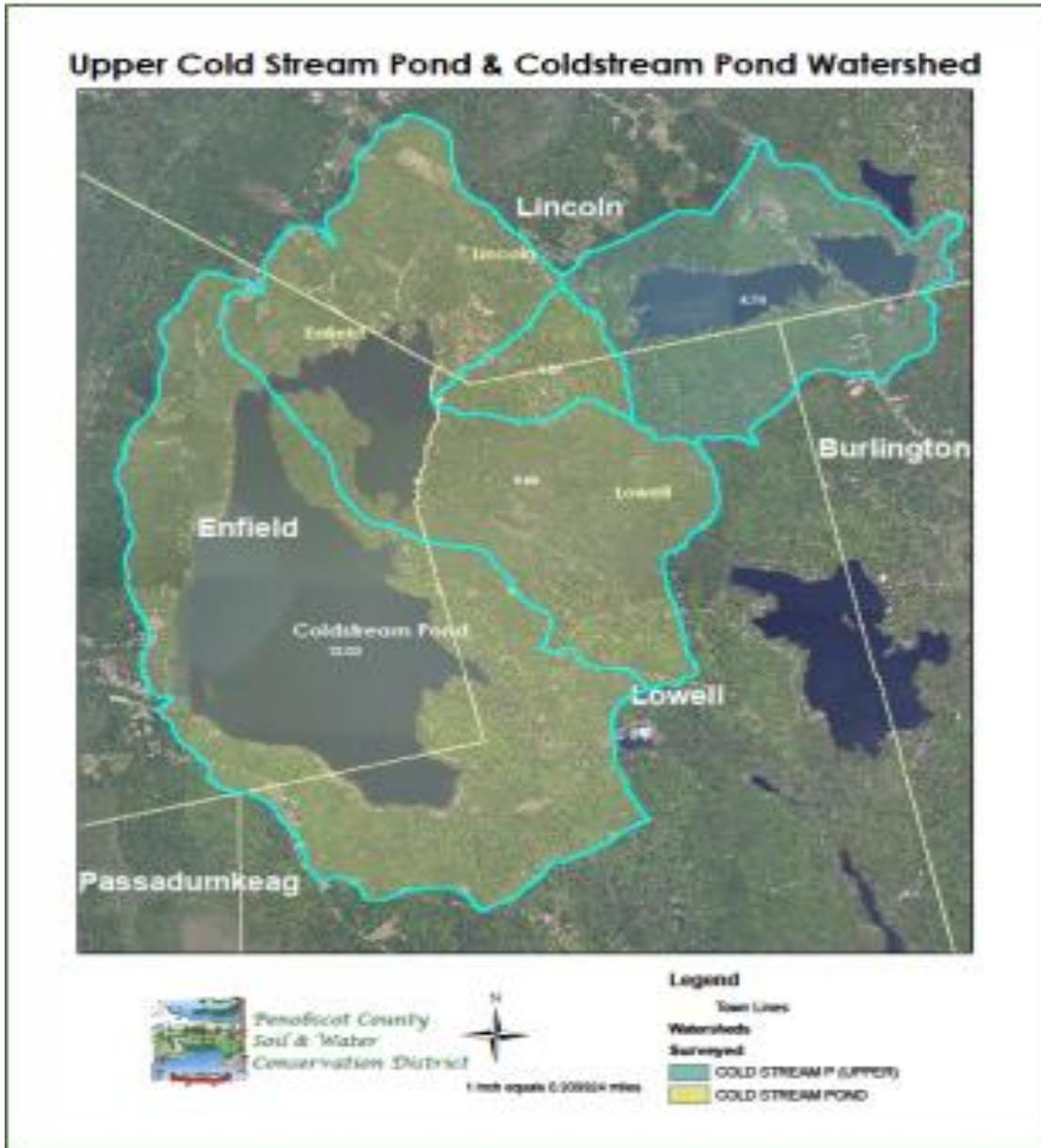
## **Section I Organization Qualifications and Experience**

**The Penobscot County Soil and Water Conservation District (PCSWCD)** has a long history of providing technical assistance to landowners through site visits, workshops, educational materials, and demonstrations. Past work in the Cold Stream Pond watershed has included assistance with watershed surveys and installation of demonstration Best Management Practices (BMPs). Project Manager Amy Polyot has extensive experience with outreach and education. She has worked with Penobscot county residents on the Lake Smart/Stream Smart programs and oversees 3 Stormwater Compensation Fund accounts. The PCSWCD is an organization that does non-regulatory 3rd party review for state agencies. She represents the PCSWCD as a member of the Bangor Area Storm Water Group and is on the planning board for the Children's Water Festival. Amy has been trained in preparing and executing conservation plans through the Natural Resources Conservation Service (NRCS). She is certified to evaluate sediment and erosion control practices through the MDEP. Amy (and the PCSWCD) is one of the leading resources for residents' conservation needs in Penobscot county.

**The Coldstream Pond Campowners' Association (CSCOA)** has a history of funding and implementing projects designed to protect and improve lake water quality. Members involved with project implementation include certified water quality monitors, certified LakeSmart screeners, and individuals trained to work with contractors certified by the Maine Department of Environmental Protection (MDEP). James Fenwood and Laurie Fenwood will serve as the principal CSCOA individuals responsible for project oversight and coordination with the PCSWCD. They each have relevant science education and more than 30 years' professional experience with public land management agencies (US Forest Service, US Fish and Wildlife Service, US Army Corps of Engineers) in providing leadership and oversight for soil and water quality and wildlife and fish programs and practices on federal lands. CSCOA has prepared two watershed surveys, an approved watershed based plan (2016), and has been implementing Best Management Practices (BMPs) over a period of 10 years via contracts, grants and volunteer efforts. The CSCOA has a long term partnership with the Town of Enfield which is responsible for most of Cold Stream Pond's shoreline acres, recreation access, and code enforcement. Additional outreach has been made to coordinate and partner with the Towns of Lincoln and Lowell.

**Additional expertise** will be acquired as needed from a consulting firm such as Maine Environmental Solutions with experience in erosion and storm water Best Management Practices (BMPs), permitting, road maintenance, shoreline stabilization, and pollution reduction estimates. Other resources may include engineering and design consultants.

## Section II Location Map



### Section III Progress Implementing Watershed Based Plan

**Name: Cold Stream Pond Watershed Based Plan Feb. 2016**

**Organization Leading WBP Implementation: Cold Stream Pond Campowners' Association**

**Contact Person: James Fenwood**

**Concise Summary of Activities Completed and Proposed Work:**

Key Actions in Watershed-based Plan	WBP Page #	A. List activities completed to date to implement the key action(s); and B. List proposed work to be completed under this proposal corresponding to the action.
Update 2011 watershed survey with names and addresses.	6	A. Completed, Fall 2015. B. Update database annually.
Confirm priority of sites identified in 2011 watershed survey.	6	A. Done, June 2016. Some sites addressed, additional sites located B. Reassess priorities after first year of project implementation.
Offer cost-sharing assistance to install BMPs at NPS sites.	6	A. Will review submitted proposals (3) for potential funding, July 2016. B. Provide funding for 10 private road sites and 10 residential sites.
Use Town of Enfield grant for watershed protection.	6	A. Five culvert, ditch, plunge pool projects completed, Fall 2015. B. Implement 10 similar projects.
Provide training for road maintenance crews, plow operators, road associations.	6	A. None to date. B. Work with Maine DOT and others to conduct a gravel road workshop.
Provide LakeSmart designations for qualified propertie.	6	A. Conducted screening at 15 properties. Issued LakeSmart awards to 6, commendations to 6. Provided detailed recommendations for BMPs at all sites. B. Expand screenings. Use LakeSmart screening as part of selection process for cost-share residential BMP funding.

Key Actions in Watershed-based Plan	WBP Page #	A. List activities completed to date to implement the key action(s); and B. List proposed work to be completed under this proposal corresponding to the action.
Continue lake water quality monitoring.	7	<p>A. Certification obtained for 4 volunteer monitors. Regular water quality and total phosphorous sampling implemented.</p> <p>B. Continue regular sampling.</p>
Utilize NPS site tracker.	7	<p>A. Not to date.</p> <p>B. Use site tracker to document project accomplishment.</p>

## Section IV Workplan

### **Project: Cold Stream Pond Watershed Protection Project (Phase I)**

**Grantee: Penobscot County Soil and Water Conservation District (PCSWCD)**

#### **Watershed Information**

In the MDEP's 2014 *Maine Nonpoint Source Management Program Plan, 2015-2019*, Cold Stream Pond is listed as a Priority Watershed due to threats to its "outstanding water quality." It lies within the Penobscot River watershed, which has been designated by The National Oceanic and Atmospheric Agency (NOAA) as a "Habitat Focus Area" (one of ten in the world). With its close proximity to Lincoln, Old Town, and Bangor, Cold Stream Pond is a popular recreation lake both with property owners and day users. The Town of Enfield and Maine Department of Inland Fisheries and Wildlife (MDIFW) maintain a public boat launch and lake access. The Town of Enfield also manages a heavily used public beach facility (Morgan's Beach). Swimming, fishing, wildlife viewing, non-motorized boating, and continued high property values are dependent on keeping the water quality outstanding. Property owners along the lakeshore contribute a substantial amount of tax revenue to 3 Towns (Enfield, Lincoln, and Lowell).

In recent years, the number of camp owners residing at the lake year-round has increased significantly. There has been considerable construction of new residences and access roads around the lake during the last 20 years, particularly along the previously undeveloped north and east shores. Since the 1970s, the number of lakefront residences has nearly doubled, to about 470. Previously narrow cottage roads have been widened to two or more lanes and receive considerably more use than in the past. Many are maintained for year-round use. Of the lake's approximately 34 km (21 mi) of shoreline, only 4.8 km (3 mi) are zoned for "resource protection" and require a 76 m (250 ft.) setback for new construction. There is no shoreline totally set aside from development.

Cold Stream Pond is an uncolored, oligotrophic lake with an area of 1,465 ha (3,619 ac) and a maximum depth of 32 m (104 ft). Mean depth is 12 m (40 ft.). Total watershed area is 5,620 ha (22 sq. mi). The lake is in Penobscot County, in the towns of Enfield, Lincoln, and Lowell. Cold Stream Pond is comprised of two distinct basins separated by a narrows. The upper (northern) basin is has significantly shallower depths. Inlets to the lake include Smelt Brook, Miles Brook, and several other small streams. The lake's outlet is Cold Stream, in Enfield.

The lake is managed by the Maine Department of Inland Fish and Wildlife (MDIFW) as a cold-water fishery and is popular with anglers who fish primarily for lake trout and landlocked salmon. MDIFW has instituted regulations designed to reduce a small mouth bass population that was established by illegal stocking several years ago. Continued high water quality is essential for the operation of the MDIFW fish hatchery in Enfield, which draws water from the lake. The annual count of loons on the lake for the last ten years has averaged 20 adults and 1-2 chicks.

The excellent water quality of Cold Stream Pond makes it an especially valuable recreational and fishery resource worthy of special protection. Water quality data have been periodically collected by the MDEP and the Maine Volunteer Lake Monitoring Program (VLMP) since 1970. A summary of data from samples taken from the lower basin (MIDAS 2146 Sample Station 1) in 2011 showed "a mean Secchi disk transparency (SDT) of 10.2 m (33 ft.). Total phosphorous

(TP) ranged from 3 to 7 parts per billion (ppb) with an average of 5 ppb. Chlorophyll-a (Chla) ranged from 0.4-3.4 ppb with an average of 1.6 ppb. Dissolved oxygen (DO) readings have shown minimal depletion in the lower basin's deeper parts. In the upper basin (MIDAS 2146 Sample Station 2), SDT averaged 6.6 m (22ft). The range of TP was 4-8 ppb with an average of 6 ppb. Chla ranged from 1.1-3.4 ppb with an average of 2.12 ppb."

The CSCOA was first established in the 1970s, primarily due to concerns about a proposed 1,500-unit development along the east shore of the lake. The associated waste water treatment needs and pollution potential were the main sources of these concerns. The association, now with over 200 members, was reconstituted in 1994 with a focus on shoreline protection and water quality issues.

In 1999 a project funded by a grant under Section 319 of the Clean Water Act (CWA), "Cold Stream Pond Watershed Survey & BMP Demonstrations" was implemented which consisted of a watershed survey, technical assistance to landowners to implement sound conservation practices, and the installation of five Best Management Practices demonstration projects.

In 2010 the CSCOA partnered with PCSWCD and the University of Maine Extension Cooperative Extension Service (Extension) to conduct a watershed survey. The sites were documented by trained CSCOA members in 2010 and reviewed by Extension technical staff.

In 2015 the CSCOA partnered with the PCSWCD to prepare an alternative watershed based plan. The plan was approved in February of 2016. Also in 2015, the CSCOA established a cadre of volunteers to be certified by the Maine Lakes Society as LakeSmart screeners. Participating landowners are provided detailed recommendations for improving the ability of shorefront properties to protect lake water quality. Screenings and implementation of recommended practices are voluntary.

Other activities funded by the CSCOA have included:

- Direct mailings to all 500 + lake front property owners and semi-annual newsletters to all members.
- A CSCOA website: [www.coldstreampond.com](http://www.coldstreampond.com)
- An annual water quality grant (funding up to \$1,500 each for 1-2 projects designed to protect or improve lake water quality).
- Annual 50% matching funding available to landowners (up to \$500 each) for 1-3 lakeside buffer projects.
- Annual donation to support the Maine Lakes Society and the Volunteer Lake Monitoring Program (VLMP).
- Providing certified lake water quality monitors to conduct regular water clarity and total phosphorous sampling.
- Coordination of annual loon count in cooperation with the Maine Audubon Society.
- Funding a high school student to work with fishery biologists to do creel surveys at the public boat ramp and financial support for an annual bass derby to remove invasive fish.

In addition, the association receives financial aid from the Town of Enfield for lake water quality

protection. Using those donations, CSCOA has upgraded most Enfield camp roads to reduce uncontrolled storm water runoff. Actions have included:

- Grading and crowning roads to move storm water into proper ditches.
- Reshaping, re-vegetating and/or cleaning out roadside ditches.
- Rip-rapping ditches and erecting check dams on steep slopes.
- Installing larger culverts to prevent freezing (freezing allows runoff to overflow and erode roads).
- Building plunge pools and settling ponds to prevent erosion and trap silt.

The Town of Lincoln prepared a Comprehensive Plan in 2012 which has specific goals to “Protect the quality and manage the quantity of water resources, including aquifers, lakes, great ponds, and rivers.” And to “Maintain and enhance the Town’s lakes as a high priority so they are in good or better condition ten years from now.” The Towns of Enfield and Lowell do not have comprehensive plans.

### **Problem/ Need**

As with other lakes in Maine, the greatest threat to water quality in Cold Stream Pond is polluted run-off. During and after storms, soil and nutrients, particularly phosphorous, are carried into the lake via ditches, roads, and overland flow. Phosphorous is a common element in soils around the lake and also may enter the lake from use of fertilizers or from inadequate septic systems. Another threat comes from growth which, if managed improperly, can result in conversion of forest lands into developed lands and contribute to a decline in water quality.

The 2011 watershed survey identified 142 sites where erosion was occurring or where shoreline protection measures were inadequate. The majority of the sites were found on individual residential properties. About half (70 properties) lacked an adequate shoreline buffer. Most of these issues on individual properties can be addressed with low cost (<\$500) actions. About 20 percent of the identified sites were associated with private roads. This represents a change from conditions documented in a 1999 watershed survey which found that 55 percent of problem sites were associated with private roads. However, there is a far greater volume of sediment and runoff associated with these sites. Public and private roads can be a major contributor of soil that enters the lake across either properties lacking effective shoreline buffers or via stream channels connected to road ditches. Effective shoreline buffers are the last line of defense keeping runoff from reaching the lake, but the source of that runoff is mostly from roads. That is why this proposal addresses both issues.

Many road issues could be addressed through annual road maintenance programs conducted by road associations. Taken individually, most problems identified in the watershed survey were rated as having low to moderate impact. Collectively however, they have the potential to seriously impact water quality of Cold Stream Pond in the long run. Additionally, new problems have been identified since the 2011 survey.

## **Purpose**

Protect and improve water quality by reducing current sources of phosphorous from at least 10 road sites and 10 residential sites identified in the 2011 watershed survey as highest priority. Prevent new sources of phosphorous from entering the lake by promoting sound best management practices using LakeSmart screenings and outreach and promoting sound road maintenance practices (including dissemination of information, demonstrations, and workshops for road crews, contractors, and road associations). Improve communication about opportunities for CSCOA buffer grant and watershed protection grant programs to increase participation in implementing BMPs. Conduct ongoing assessment of lake and watershed conditions by monitoring lake water quality and utilizing the NPS site tracker.

## **Project Duration** 21 months

Start Date: March, 2017

Completion Date: December 2018

## **General Project Plan**

The Cold Stream Pond Watershed Protection Project (Phase I) is intended to address the highest priority non-point pollution (NPS) sources identified in the 2011 watershed survey and outlined in the 2016 watershed based plan. Future projects (Phase 2) will address remaining and additional high priority sources identified through future updates to the watershed survey.

NPS pollution will be reduced through the installation of BMPs on priority road sites and through cost-sharing for BMP installation on priority residential sites. Awareness of water quality threats and practices to protect water quality will be increased through implementation of LakeSmart property screenings, road maintenance workshops, and public outreach. It is anticipated that the installation of BMPs will reduce sediment inputs to Cold Stream Pond by 55.5 tons per year and phosphorous loading by 47 pounds per year.

The PCSWCD will be the primary project manager. The CSCOA will provide local coordination, oversight, and technical expertise. The CSCOA will provide primary direct funding and in-kind services (labor). The Town of Enfield will provide funding for sites within the Town of Enfield. The Town of Lincoln will provide in-kind support of equipment and labor for a site in the Town of Lincoln. A local steering committee will be established to guide the project for its duration.

It is anticipated that some priority sites will be addressed by the Town of Enfield, Town of Lincoln, and road associations prior to the implementation of the grant. Priorities for sites to be addressed will be adjusted accordingly. It is anticipated that a phase 2 Grant or other funding mechanism will be needed to address additional priority sites, update the list of sites, and tackle complex projects beyond the financial scope of this proposal.

The project will not use 319 project funds to undertake, complete or maintain work required by existing permits, consent decrees or other orders. Grantee 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.

This project will be conducted in accordance with applicable quality assurance procedures in the DEP document "Maine Section 319 Management Program Quality Assurance Program

Plan (<http://www.maine.gov/dep/blwq/docgrant/319.htm> ).

PCSWCD and CSCOA 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 MDEP.

## **TASKS, SCHEDULES & ESTIMATED COSTS**

### **Task 1 – Project Management**

The PCSWCD and Maine DEP will sign a grant agreement outlining project roles, responsibilities and funding arrangements. The PCSWCD will track project costs and match, submit deliverables and write semi-annual Progress Reports (PRs) and one Final Project Report (FPR). Contracting for services (or goods) paid for with project funds will be arranged and carried out using procurement procedures as described under Section 4 of DEP’s Nonpoint Source Grant Administrative Guidelines. A Pollutants Controlled Report (PCR) will be submitted annually by December 31, for each year of the project. Staff will also document project activities and subsequent match. The MDEP Site Tracker tool will be used to track accomplishments (4/17 to 12/18).

<sup>st</sup>  
**1 Yr. Output Goals:** 2 PRs, 1 PCR **Cost:**  
Grant-\$5,040 Match-\$0 Total-\$5,040

### **Task 2 - Steering Committee Meetings**

A steering committee (SC) will guide project activities and meet at least four times during the grant period. This committee will include representatives from the PCSWCD, CSCOA, MDEP, Town of Enfield, Town of Lincoln, and interested landowners from the watershed. (5/17 to 3/18)

<sup>st</sup>  
**Anticipated 1 Yr. Output:** 2 SC meetings **Cost:**  
\$319 Grant-\$1,000 Match - \$3,824 Total - \$4,824

### **Task 3 – NPS Abatement at Road Sites**

The PCSWCD and CSCOA will provide technical assistance, funding, and implementation of NPS abatement at ten or more of the highest priority sites identified by the 2011 watershed survey and subsequent updates. Project staff will exercise best professional judgment in the selection, design and installation of BMPs and will design and install BMPs according to Maine BMP manuals or use other BMPs acceptable to the MDEP. MDEP guidelines, “Using Project Funds for Construction of BMPs at Road-related Sites” will be used to evaluate road-related NPS sites. Necessary permits will be secured prior to construction.

Practices will include reshaping ditches and armoring them with stone or vegetation, shaping road shoulders, stabilizing culvert inlets and outlets with stone, installing check dams, plunge pools, turnouts and runoff diverters, reshaping and crowning roads. Candidate sites have been identified based on severity of impact as determined in the watershed survey. Final site selection may change pending engineering design and permit approval. Installing conservation practices will reduce the pollutant load to Cold Stream Pond by an estimated 48 tons of soil per year. A list of candidate sites is in Appendix E.

Anticipated 1<sup>st</sup> year output: 5 NPS road projects and NPS reports. (5/16 – 11/17)

**Cost:** 319 Funds - \$23,345      Local Match - \$29,092      Total - \$52,437

#### **Task 4 – NPS Abatement at Residential Sites**

The PCSWCD and CSCOA will provide technical assistance and cost-sharing for implementation of NPS abatement at ten or more of the highest priority residential sites identified by the 2011 watershed survey and subsequent updates. All landowners with property identified as having high or medium impact sites will receive a targeted mailing offering cost-sharing of up to 75%. A site visit by certified LakeSmart screeners will be used to develop specific site plans and to rank the sites. Cost share funding will be offered to at least the top 10 sites (depending on cost of agreed-upon actions.)

Conservation measures eligible for cost-sharing include establishing buffer vegetation, dripline trenches, dry wells, erosion control mulching, infiltration steps, pathways, plunge pools, rubber razors, reshaping of driveways, turnouts, bank stabilization, rip-rapping, open-top culverts, and other BMPs.

Final site selection may change pending satisfactory completion of a cost-sharing agreement and permit approval. Installing conservation practices will reduce the sediment load to Cold Stream Pond by an estimated 7.5 tons of soil per year.

**Anticipated 1<sup>st</sup> year output:** 5 NPS projects and NPS reports. (5/16 – 11/17)

**Cost:** 319 Funds - \$8,500      Local Match - \$5,640      Total - \$14,140

#### **Task 5 – Landowner Technical Assistance Without Cost-sharing**

The CSCOA will expand the implementation of the LakeSmart program begun in 2015. At the request of landowners, certified screeners will visit lakeside properties to evaluate the property's ability to prevent sediment and other pollution from entering the lake. A detailed list of recommendations and appropriate BMPs will be provided to each landowner following the visit. Properties which qualify for a LakeSmart award will receive 2 metal signs to post on the property. At least 10 properties will be screened.

**Anticipated 1<sup>st</sup> year output:** 5 LakeSmart screenings and landowner recommendation forms. (5/16 – 11/17)

**Cost:** 319 Funds - \$0      Local Match - \$1,432      Total - \$1,432

#### **Task 6 – Education and Outreach**

Subtask a. General Public

Motivate shorefront property owners and others to implement practices which protect and improve water quality. This will be accomplished through newsletter articles, presentations, web

site postings, press releases and displays. Signs will be erected at NPS abatement sites to explain the installed practices.

**Subtask b. Road Maintenance Entities**

A least 2 workshops will be conducted to educate road associations, road maintenance personnel, contractors, town officials, and other interested individuals on road maintenance practices which affect lake water quality. Anticipated attendance is 30 for the first workshop and 20 for the second. Considering the tremendous potential for road maintenance activities to affect water quality, this is a critical component of overall pollution reduction goals of the project.

All press releases and outreach materials will acknowledge that the project is funded in part by the United State Environmental protection Agency under Section 319 of the Clean Water Act. EPA’s logo will not be included on materials unless the Grantee receives prior instruction and approval from EPA. Refer to the Grant Agreement, Rider A. Section III. F. Acknowledgement.

**Anticipated 1<sup>st</sup> year outputs:** one presentation at the CSCOA annual meeting, a mailing to watershed residents advertising the availability of technical assistance & residential matching grants, one posting on the CSCOA & PCSWCD websites, one press release, one workshop, 5 signs. (4/16 – 12/17)

**Cost:** 319 Funds - \$7,000                      Local Match - \$7,963                      Total - \$14,963

**Task 7 – Pollutant Reduction Estimates**

The PCSWCD will estimate NPS pollutant load reductions and resources protected by this project. Pollutant load reduction estimates will be developed & reported as follows: During design or installation of conservation practices at NPS abatement sites, appropriate field measurements will be recorded to prepare written estimates of pollutant load reductions. Estimates will be prepared for all NPS abatement sites unless there is not an applicable estimation method for a given site. Methods to be used are the EPA Region 5 Load Estimation Model (see website <http://it.tetrattech-ffx.com/stepl/>) and/or the U.S. Forest Service WEPP Road Model (<http://forest.moscowfsl.wsu.edu/fswepp/>). Results will be summarized on a standard form provided by DEP titled “Pollutants Controlled Report” (PCR). The PCR and supporting documentation will be submitted to the MDEP Agreement Administrator by December 31 of each year until project completion. (4/16 – 12/17)

**Anticipated 1<sup>st</sup> year outputs:** 1 PCR

**Cost:** 319 Funds - \$1,460                      Local Match - \$                      Total - \$1,460

## **DELIVERABLES**

Three (3) copies of each Deliverable will be provided to the DEP Agreement Administrator. Each deliverable will be labeled according to procedures described in the DEP document "Nonpoint Source Grant Administrative Guidelines"

(<http://www.maine.gov/dep/water/grants/319documents/2010/guidelines.pdf>)

- 1 Progress Reports (semi-annual), NPS Site Tracker Summary for Cold Stream Pond, & Final Project Report. (Task 1)
- 2 NPS Site Report for each NPS Site. (Tasks 3,4)
- 3 Landowner technical assistance summary (Task 5)
- 4 Copies of all press releases, web postings, photos of signs. (Task 6)
- 5 Pollutants Controlled Report each year until project completion. (Task 7)

## **INTERAGENCY COORDINATION, ROLES & RESPONSIBILITIES**

- **The Penobscot County Soil and Water Conservation District** will serve as the project Grantee and will be responsible for the overall coordination of project activities.
- **The Cold Stream Camp Owners Association** will provide local project oversight and implementation of project activities. The CSCOA will provide cash match and in-kind (labor) project funding.
- **The Town of Enfield** will provide cash match and in-kind funding (labor) for projects within the Town of Enfield.
- **The Town of Lincoln** will provide in-kind funding (equipment and labor) for projects in the Town of Lincoln.
- **Gardner Logging Services** will provide in-kind funding (equipment and labor) for a project in Lowell.
- The **Maine Department of Environmental Protection** will administer project funding, participate on the steering committee, serve as the project advisor and provide project and technical support.
- The **US Environmental Protection Agency** will provide project funding and work plan guidance.

## **ENVIRONMENTAL OUTCOME**

This project will help Cold Stream Pond maintain Class GPA Standards. Towards this goal, preliminary estimates indicate that this project will reduce pollutant loading by an estimated 55.5 tons of sediment and 47 lbs. of phosphorus per year.

## **PROJECT COORDINATOR:**

Amy Polyot  
Penobscot County Soil and Water Conservation District  
1432 Broadway, Suite 2  
Bangor, ME 04401  
207-947-6622  
[amy.polyot@penobscotswcd.org](mailto:amy.polyot@penobscotswcd.org)

**APPENDIX E**

**CANDIDATE NPS SITES LIST**

**Name of Project:** Cold Stream Pond Watershed Protection Project **Date:** June 17, 2016

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
C 21,23,24,26,27 Birch Lane Logging road Est. soil loss 26 t/y	Severe gully erosion along 1 mile of road causing run-off into lake at numerous points.	Reconstruct road with fill as needed, restore and construct turn-outs to divert water to buffer, replace culverts.	Grant \$12,000 Match \$7,000 Total \$19,000
B12 Stanhope Mill Rd. Extension Est. soil loss 8 t/y	Gully erosion (800ft) delivering sediment directly into Smelt Brook, major lake trib.	Reshape inside ditch bank. Line with angular rock. Install check dams.	Grant \$8,000 Match \$10,000 Total \$18,000
E15 Cedar Rest Public Boat Launch Est. soil loss .75 t/y	Gully erosion (130 ft.) delivering sediment directly to lake.	Create turn-outs to move water off road. Expand buffer. Resurface road.	Grant \$150 Match \$1,400 Total \$1,650
E1 Cedar Rest Rd. ditch Est soil loss 4 t/y	Road surface and ditch (1,100 ft.) eroding into lake.	Remove berms, reshape road, create turn-outs, shape and revegetate ditch.	Grant \$150 Match \$1,600 Total \$1,750
B 2016-01 Lemay Rd culverts Est. soil loss 2 t/y	Bank erosion causing run-off into stream which feeds directly into lake	Replace 2 failing culverts with one longer culvert. Place rock on banks, construct plunge pool, and revegetate.	Grant \$200 Match \$2,600 Total \$2,800
E38 Enfield Town Boat Launch parking Est. soil loss .5 t/y	Parking (1,500 sq. ft.) area eroding directly into lake	Regrade, place barrier rocks, expand buffer along ditch.	Grant \$0 Match \$600 Total \$600
A 05 & 10 Davis Rd. culverts Est. soil loss 1.5 t/y	Erosion around culvert outlets. Ditches conveying sediment to lake	Place rock at culvert ends. Construct 2 plunge pools.	Grant \$0 Match \$1,200 Total \$1,200
C 05 Lower Webb Cove Rd Est. soil loss 3 t/y	Erosion from road and ditch entering lake.	Reshape road, place rock in ditch.	Grant \$125 Match \$1,200 Total \$1,325

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
E 30, 34 Abbott Drive Est. soil loss 2 t/y	Ditch erosion along 1,300 ft. delivering sediment directly into lake	Crown road, create turn-outs and dips	Grant \$120 Match \$1,500 Total\$1,620



**Birch Lane**



**Stanhope Mill Rd.**



**Cedar Rest Boat Launch**



**Cedar Rest Rd.**



**Lemay Rd.**



**Webb Cove Rd.**

APPENDIX D

**COST PROPOSAL FORM**

**RFP#201604086**

**Grants for Nonpoint Source Pollution Control Projects**  
**Watershed Plan Implementation**

Bidder's Organization Name: Penobscot County Soil and Water Conservation District

**Part 1. Estimated Personnel Expenses:** (Grantee staff only)

Position Name & Title	Hourly Rate	Number of Hours	Salary & Fringe	Total Grantee Personnel Expenses
Amy Polyot, Project Manager	\$40	350	\$14,000	\$14,000
Totals	\$40	350	\$24,000	\$14,000

**Part 2. Budget Estimates by Cost Category**

Cost Category	Federal Funds Section 319	Non-Federal Match	Total Cost
Salary & Fringe (from Part 1)	\$11,000	\$3,000	\$14,000
Contractual *	\$7,000	\$2,450	\$9,450
Subgrant			
Construction	\$28,345	\$30,100	\$58,445
Donated Services – Labor		\$10,268	\$10,268
Travel (mileage total)		\$132	\$132
Supplies	\$1,000	\$1,000	\$2,000
Other (specify)			
Indirect Costs			
Totals	\$47,345	\$46,950	\$94,295

Part 2 Notes:  
 \*includes costs for 2 workshops and for environmental consultant design work

**APPENDIX D - continued**

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

Sources of Non-federal Match	Amounts
Cold Stream Camp. Assoc. (cash \$8,550, in-kind services \$8,621)	\$17,171
Penobscot County Soil and Water Cons. Dist. (in-kind services \$3,000)	\$3,000
Town of Enfield (\$10,00 cash)	\$10,000
Town of Lincoln (up to \$12,000 in-kind services- heavy equipment)	\$10,000
Cold Stream Pond homeowners (\$2,500 cash match or in-kind labor)	\$2,500
Gardiner Logging Services (\$3,500 in-kind services—heavy equipment)	\$3,500
Town officials (\$779 in-kind services- labor)	\$779
<b>Total</b>	<b>\$46,950</b>

**APPENDIX B**

**State of Maine**  
**Department of Environmental Protection**  
*Bureau of Water Quality*  
**DEBARMENT, PERFORMANCE and NON-COLLUSION CERTIFICATION**  
**RFP#201604086**  
**Grants for Nonpoint Source Pollution Control Projects**  
**Watershed Plan Implementation**

*By signing this document, I certify to the best of my knowledge and belief that the aforementioned organization, its principals and any subcontractors named in this proposal:*

- a. Are not presently debarred, suspended, proposed for debarment, and declared ineligible or voluntarily excluded from bidding or working on contracts issued by any governmental agency.*
- b. Have not within three years of submitting the proposal for this contract been convicted of or had a civil judgment rendered against them for:*
  - i. Fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a federal, state or local government transaction or contract.*
  - ii. Violating Federal or State antitrust statutes or committing embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;*
  - iii. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or Local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and*
  - iv. Have not within a three (3) year period preceding this proposal had one or more federal, state or local government transactions terminated for cause or default.*
- c. Have not entered into a prior understanding, agreement, or connection with any corporation, firm, or person submitting a response for the same materials, supplies, equipment, or services and this proposal is in all respects fair and without collusion or fraud. The above mentioned entities understand and agree that collusive bidding is a violation of state and federal law and can result in fines, prison sentences, and civil damage awards.*
- d. Failure to provide this certification may result in the disqualification of the Bidder's proposal, at the discretion of the Department.**

Name (Print): Amy Polyot	Title: District Manager
Authorized Signature: 	Date: June 23, 2016

**APPENDIX C**

**State of Maine Department of Environmental Protection  
Bureau of Water Quality**

**ECONOMIC IMPACT FORM  
RFP#201604086  
Grants for Nonpoint Source Pollution Control Projects  
Watershed Plan Implementation**

**Instructions**

In addition to all other information requested within this RFP, each Bidder should complete the tables below to quantify the Bidder’s economic impact upon and within the State of Maine. The use of economic impact in making contract award decisions is outlined in Executive Order 2012-004, which states that certain contracts “...advertised for competitive bid shall include scoring criteria evaluating the responding Bidder’s economic impact on the Maine economy and State revenues.”

For the purposes of this RFP, the term “economic impact” shall be defined as the “Economic Impact Factors” listed in the table below. To complete the “economic impact” section of the Bidder’s response, the Bidder shall provide the information requested, describing the Bidder’s **overall** recent economic impact with the State of Maine and, separately, the projected economic impact with the State of Maine that would **specifically result from the awarded contract only**, should the Bidder be selected.

**Recent Economic Impact (Bidder’s overall Economic Impact over the past 24-month period)**

Economic Impact Factors	Factors Expressed in Dollars
Salaries paid to Maine residents in past 24-month period	\$
Payments made to Maine-based subcontractors in past 24-month period	\$ 22,000
Payments of State and local taxes in Maine within past 24-month period	\$ *
Payments of State licensing fees in Maine within past 24-month period	\$
<b>Total <u>overall</u> Recent Economic Impact</b>	<b>\$ 22,000</b>

**Projected Economic Impact (Future 24-month economic impact resulting from the awarded contract)**

Economic Impact Factors	Factors Expressed in Dollars
Salaries to be paid to Maine residents in future 24-month period as a result of the awarded contract	\$ 12,000
Payments to be made to Maine-based subcontractors in future 24-month period as a result of the awarded contract	\$ 44,945

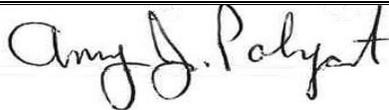
Payments of State and local taxes in Maine to be made in future 24-month period as a result of the awarded contract	\$ **
Payments of State licensing fees in Maine to be made in future 24-month period as a result of the awarded contract	\$
<b>Total Projected Economic Impact <u>only</u> from awarded contract, if selected</b>	<b>\$ 56,945</b>

For the tables above, the following definitions are provided:

- “Bidder”: Organization identified on the Proposal Cover Page under “Bidder’s Organization Name”.
- “Maine resident”: Any person whose primary residence is located within the State of Maine.
- “Maine-based”: Any organization whose primary operations are located within the State of Maine.
- “Past 24-month period”: The past 24-months, starting on the date that the RFP was publicly released.
- “Future 24-month period”: A projection for the future 24-month period, starting upon the “Initial Period of Performance” start date (PART I, D. of RFP).

**Certification Statement**

*To the best of my knowledge, all information provided in the State of Maine Economic Impact Form is complete and accurate at the time of submission and I confirm that I am authorized to make such a determination on behalf of my organization.*

Name (Print): Amy Polyot	Title: District Manager
Authorized Signature: 	Date: June 23, 2016

\*Payments of State and Local taxes in Maine within past 24 month period are not calculated and recorded here because they are included in the contract and salary costs and would be inappropriately duplicative in the Total Overall Recent Economic Impact Line.

\*\*Payments of State and Local taxes in Maine within past 24 month period are not calculated for salaried worker and subcontractors because they are included in the contract and salary costs and would be inappropriately duplicative in the Total Projected Economic Impact Line.