3. Applicant Qualifications and Experience

a. Summary of the Organization's Qualifications and Experience

Michele Windsor, Project/Program Manager at OCSWCD, will administer the Lake Anasagunticook Watershed Protection Project, Phase II. She will track time and expenses incurred during the course of the project and coordinate all project activities. Michele has successfully managed numerous grant projects with a variety of conservation focuses during the past nine years, including Maine Outdoor Heritage Fund grants for the Ten Mile River Demonstration Forest in Brownfield, ME (#121-02-13), designed to showcase sustainable forestry practices, and the Nezinscot River Watershed Fish Barrier Culvert Survey and Barrier Prioritization for Habitat Restoration (#142-01-04). Michele also coordinated the 319 grants for the Bear Pond Watershed Survey (#2012PP-21) in Waterford, Ellis Pond Watershed Protection Project , Phase I (#2016RR03) in Roxbury and Byron, the North Pond Watershed Protection Project (#2016RR13) in Norway, and the Hogan-Whitney Ponds Watershed Protection Project, Phase I (#20190005) in Oxford, now in its second year.

As an expert in QuickBooks Pro with more than 20 years of experience in computerized accounting and the use of Excel spreadsheets, Michele is proficient in tracking the progress and spending of grant-funded projects. She has strong knowledge and experience in accounting and cost tracking having owned and operated several small businesses before joining OCSWCD in 2010.

For this project Michele will also coordinate workshops and the house meeting, provide technical assistance and residential matching grants, coordinate NPS projects, and coordinate steering committee meetings. Her extensive background in Environmental Education acquired during 13 years living in the Pacific Northwest and, more recently, conducting OCSWCD educational programs has given Michele a great deal of experience in the area of public education. Michele has worked extensively in the LakeSmart Program, a program designed to educate lakefront property owners about practices that protect water quality.

Michele is well-versed in NPS prevention and water quality protection. She has been a Certified Professional in Erosion and Sediment Control (CPESC) in training and has worked with the Maine DEP to assist in the certification of contractors in erosion control in Oxford County.

Michele Windsor contact information: OCSWCD, 17 Olson Street, Suite 3, South Paris, ME 04281.
Phone: (207) 744-3111 Email address: oxfordcountyswcd@outlook.com

Jeff Stern, Environmental Planner, Androscoggin River Watershed Council (ARWC). OCSWCD will sub-contract with ARWC to retain Jeff's services. Jeff will take the lead in performing many of the tasks in the Lake Anasagunticook Watershed Protection Project, Phase II, including NPS projects, technical assistance and residential matching grants.

Jeff has 39 years of experience in erosion control, watershed protection, environmental risk assessment, soil and water quality testing, pollution prevention and public education. He has

worked at the federal and state levels, for non-profit organizations and private consulting firms. Jeff believes the most effective and longest lasting resource protection occurs at the community level.

Jeff has extensive experience leading successful 319 watershed implementation grants in Maine lake watersheds, including the Lake Anasagunticook Watershed BMP Demonstration Project (#2000-02) in Canton and Hartford; Keoka Lake Water Quality Improvement Project, Phase II – Implementation (#2002R-21A) in Waterford; Bear Pond Water Quality Improvement Project, Phase I (#2003-07) in Hartford and Turner; McWain Pond Watershed Improvement Project (#2008RR04) in Waterford; Thompson Lake Watershed Improvement Project, Phase III – Otisfield (#2010RR08); Woods Pond Watershed Protection Project, Phase I (#2014RR02) in Bridgton; Ellis Pond Watershed Protection Project, Phase I (#2016 RR 03) in Roxbury and Byron; North Pond Watershed Protection Project (#2016RR13) in Norway; and the Hogan-Whitney Ponds Watershed Protection Project, Phase I (#20190005) in Oxford, which began in 2019.

Under Jeff's guidance, watershed improvement/implementation projects have met their budgets, reporting requirements and NPS reduction goals. Further, his projects have generated a great deal of enthusiasm for resource stewardship in the communities where he has worked. This momentum has led to successful implementation of erosion control efforts in all of the watersheds noted in the previous paragraph.

Jeff Stern contact information: ARWC, P.O. Box 783, Harrison, ME 04040.
Phone: (207) 595-0317 email address: sternjm@hotmail.com

Ross Cudlitz, PE, contracted engineer for OCSWCD. Ross has more than 30 years of experience on NPS projects with Soil & Water Conservation Districts and has worked on many DEP projects. He holds the following certifications: CPESC, CESSWI, CPSWQ and CPMSM. Ross is also certified by Maine DEP in erosion and sediment control. Selected by the District for both his experience and cost-effectiveness, he will provide engineering services where needed.

Ross Cudlitz contact information: 10 North Road, Yarmouth, ME 04096.
Phone: (207) 846-0839 email address: ztilduc@maine.rr.com

b. Litigation

None

State of Maine
Department of Environmental Protection
WORK PLAN
RFA# 202003056
Grants for Nonpoint Source Pollution Control Projects
Watershed-Based Plan Implementation

I. Project Information

Project Title	Lake Anasagunticook Watershed Protection Project, Phase II
Applicant's Organization	Oxford County Soil & Water Conservation District
Project Start Date	January 2021
Project Completion Date	December 2022

II. Waterbody and Watershed Information

a. Background

Waterbody Name	Lake Anasagunticook
Waterbody Size (e.g., lake acres, stream miles)	593 acres
Watershed Area (acres or square miles)	13 square miles
Watershed Location (town(s), county(s))	Canton, Hartford and Peru, Oxford County
Title and Date of Existing or Past Watershed-based Management Plan	Lake Anasagunticook Watershed-based Protection Plan, March 2030
Public Access to Waterbody	Public Boat Ramp in Canton. Two public beaches (1 in Canton, 1 in Hartford).

b. Waterbody and Watershed Physical Characteristics

Lake Anasagunticook is located primarily in Canton and Hartford, Maine. A small sliver of the watershed extends into Peru. The lake lies in the larger Androscoggin River Watershed. It drains to the Androscoggin River via Whitney Brook. Major tributaries to Lake Anasagunticook are Sparrow Brook on the west side of the watershed and Thompson Brook on the east side.

Average depth of the lake is 28 feet. Maximum depth is 54 feet. There is an active watershed association, the Lake Anasagunticook Association (LAA) which has initiated many efforts to protect and improve water quality in the lake. Land uses in the watershed include residential, forestry, recreation and agriculture. The lakeshore is moderately developed; ringed by 118 waterfront lots (year-round and seasonal).

c. Description of Waterbody Uses and Value

Lake Anasagunticook is the drinking water source for 90 households and 10 businesses. It is an important recreational and economic driver for the local communities (Canton and Hartford). The lake is accessed by a public boat launch on Whitney Brook just above the dam. Two popular town beaches, one in Canton on Route 140 and another in Hartford near Pine Shores subdivision, are used year-round (summer: swimming, winter: ice hockey, skating & carnival).

The Town of Hartford owns an 80-acre wetland on the south side of the lake which is managed as a natural area. The town also owns several miles of the former railroad bed – converted to a trail - that hugs the east side of the lake. Popular trail uses throughout the year include walking, jogging and skiing.

The Maine Department of Inland Fisheries & Wildlife manages the lake primarily as a warm water fishery. Twelve fish species are present including brown trout, smallmouth bass, sunfish, chain pickerel, fallfish, smelt, and white and yellow perch. IF&W stocked the lake with brown trout in 2019, 2016 and 2012. According to Beginning with Habitat, Sparrow and Thompson Brooks provide habitat for wild brook trout. Loons are present on the lake. Wildlife in the watershed includes deer, bear, bald eagles, ducks and moose.

III. 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?	Not applicable
Name and date of any DEP TMDL report(s) for the waterbody.	Not applicable

b. Water Quality Overview

Water quality data have been collected on Lake Anasagunticook by local volunteers and Lake Stewards of Maine (LSM) since 1980. According to LSM, Secchi disk transparency (SDT) readings indicate there was an algae bloom in 1980 that was probably of short duration. SDT readings also reached a level in the late 1990s which indicate the lake was close to another algae bloom.

Today, overall water quality in Lake Anasagunticook is considered to be slightly below average for Maine Lakes by LSM. The long-term average SDT (Secchi disk transparency) is 4.7 meters, whereas the long-term average for all Maine lakes is in the mid-5 meter range. The long-term average for phosphorus in Lake Anasagunticook is 9 parts per billion (ppb). Phosphorus in unproductive “clean” Maine Lakes typically measures 2-4 ppb. Anaerobic conditions at depth can cause the release of phosphorus from bottom sediments. Testing indicates there is substantial depletion of dissolved oxygen (DO) at lower depths in summer; in most years DO depletion affects the entire bottom half of the water column. Lake Anasagunticook is listed on the DEP’s Priority Watersheds List of “Threatened

Lakes" because it serves as a public drinking water source.

IV. Watershed Nonpoint Pollution Sources and NPS Mitigation Activities

a. Summary of Watershed Assessments and Priority Nonpoint Pollution Sources

Like many other lakes in Maine, Lake Anasagunticook's water quality is threatened by phosphorus enrichment. The LAA raised funds for and coordinated a watershed survey in 2019 to identify sources of phosphorus (NPS pollution) in the watershed. The survey followed DEP guidance. Tech support was provided by DEP, Oxford County SWCD, Fiddlehead Environmental Consulting, and LSM.

In total, 62 erosion sites were identified in the survey. The largest number of problems (34) was associated with roads (town, state and private). Residential sites comprised 17, followed by beach/boat access (7) and municipal/paths (4). Aside from soil erosion no other significant sources of phosphorus were observed during the survey. Soil loss measurements were conducted at many of the highest impact NPS sites (refer to the list of Candidate sites).

As discussed in the Water Quality Overview, SDT readings indicate Lake Anasagunticook experienced an algae bloom in 1980 and may have come close to another one in the late 1990s. Therefore, it is important to address the NPS sites that were found in the 2019 watershed survey in order to minimize erosion that could cause the lake to not attain water quality standards in the future.

b. Description of Watershed Activities to Address NPS Pollution

LAA and LSM have tested water quality in Lake Anasagunticook since 1980. Test parameters include SDT, chlorophyll-a, Total Phosphorus and DO. In 2019 LAA organized a watershed survey. The first watershed survey was conducted in 1998 in response to the scare of another algae bloom and led to the *Lake Anasagunticook Watershed BMP Demonstration Project* (#2000-02) that was conducted from 2000-2003 and is considered the *"Phase I"* project. Itwas funded by USEPA under Section 319 of the Clean Water Act.

LAA has a very active LakeSmart program; Lake Anasagunticook was one of the first lakes in Maine to achieve the "Gold Level" because 15% or more of lakeshore properties have had LakeSmart evaluations (44 since 2004).

In 2019, a second watershed survey was conducted (discussed in Section IV.a. above). Following this proposed phase, Phase II, it is anticipated that an additional phase will be needed to address remaining high impact sites from the 2019 watershed survey (estimated to be 2-3) plus new high impact sites that may be found. Phase III will also address medium impact sites that remain after Phase II and that are not taken care of through LAA's LakeSmart program. The remaining low impact sites will be addressed through LakeSmart.

V. Purpose

The primary purpose of the *Lake Anasagunticook Watershed Protection Project, Phase II* is to significantly reduce erosion and the export of sediment and phosphorus in the lake by installing conservation measures throughout the watershed. The project will also serve to increase public awareness about watershed issues and foster long-term watershed stewardship. Through this project it is anticipated that many of the high and medium impact sites identified in the watershed survey will be addressed.

VI. Environmental Outcome

This project will help maintain Class GPA water quality standards in Lake Anasagunticook. Preliminary estimates indicate this project will reduce annual pollutant loading to the lake by 50 tons of sediment (45 by NPS projects & 5 by TA/RMGs) and 42.5 lbs. of phosphorus. In addition, the project will provide public outreach to enhance watershed stewardship & result in installation or enhancement of vegetative buffers along 50 feet of shoreline where there currently is no buffer or inadequate buffer.

VII. Partner Coordination, Roles and Responsibility

Maine Department of Environmental Protection will administer project funding, serve as project advisor, serve on the steering committee & provide project technical support.
The U.S. Environmental Protection Agency will provide project funding and guidance.
Oxford County Soil & Water Conservation District, as the grantee, will serve as the project sponsor. The District will coordinate all project activities and provide financial oversight. OCSWCD will provide technical assistance, provide public education and outreach, coordinate 2 residential matching grants and 2 NPS projects. The District's engineer will provide engineering services. The District will provide in-kind match for office supplies and serving on the steering committee.
Androscoggin River Watershed Council will sub-contract with OCSWCD to coordinate 12 NPS projects and 5 residential matching grants, provide technical assistance and assist with outreach. The Council will track matching contributions during the project & provide in-kind match to serve on the steering committee.
The Towns of Canton and Hartford will provide in-kind match for NPS projects on town roads and serve on the steering committee.
Lake Anasagunticook Association will serve on the steering committee, provide cash and in-kind match for NPS abatement sites, promote technical assistance and residential matching grants, and assist in all outreach efforts.
Canton Mountain Wind will provide cash and in-kind match for NPS projects and serve on the steering committee.
Lake Shore Drive (Canton) residents will provide cash and in-kind services to remediate sites on Lake Shore Drive and on private properties along the road that were documented as erosion sites in the watershed survey, and serve on the steering committee.
Pine Shores Subdivision will provide in-kind services to serve on the steering committee, and for education and outreach.
Canton Hi-Riders Snowmobile Club will provide cash and in-kind match for NPS projects.
Watershed Residents will provide cash and in-kind match for residential matching grants, and provide in-kind match to serve on the steering committee, and participate in workshops and the house meeting.

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 Service Contract, 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.

MDEP guidelines "Using Project Funds for 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 Administration

Oxford County Soil & Water Conservation District (OCSWCD) will administer the project according to the service contract with DEP. OCSWCD will track project progress, expenses, matching funds, and submit reports (semi-annual progress report, annual Pollutants Controlled Report, final project report) and other deliverables. OCSWCD will establish (or continue use of) an NPS Site Tracker spreadsheet 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. OCSWCD will enter into a contract with the Androscoggin River Watershed Council (ARWC) to assist in providing services. This contract will be made available to DEP.

Start and Completion Dates	Start: January 1, 2021 End: December 31, 2022	
Grant Cost: $1,811.00	Match Cost: $100.00	**Total Cost: $1,911.00**
Breakdown of Grant by Cost Category: Personnel Services, $1,350; Sub-grant (ARWC), $350; Mileage, $111.		
Breakdown of Match by Cost Category: Donated supplies, $100.		

Task 2 – Steering Committee

A steering committee will guide project activities and meet at least 4 times (semi-annually) during the grant. It will include representatives form OCSWCD, LAA, ARWC, DEP, the Towns of Canton and Hartford, Lake Shore Drive, Canton Mountain Wind, Pine Shores Subdivision, and other watershed residents.

Start and Completion Dates	Start: January 1, 2021 End: December 31, 2022	
Grant Cost: $733.00	Match Cost: $2,374.00	**Total Cost: $3,107.00**
Breakdown of Grant by Cost Category: Personnel Services, $300; Sub-grant (ARWC), $300; Mileage, $133.		
Breakdown of Match by Cost Category: Donated Services, $2,148; Donated Mileage, $126; Donated Supplies, $100.		

Task 3 – NPS Abatement Projects
OCSWCD and ARWC will provide town road crews, Lake Shore Drive, and landowners with technical assistance and cost-sharing to address at least 14 high and medium impact sites identified in the 2019 watershed survey. Participants will receive technical assistance and up to 50% cost-sharing for construction costs. Some sites will require engineering; the OCSWCD engineer will be used for these. Cost-share partners must provide match through cash, material or labor contributions, and agree to maintain projects for the life of the BMP(s). OCSWCD and cost-share recipients will complete a cost-sharing agreement prior to construction.

Eligible cost-sharing measures include reshaping ditches and armoring with stone or vegetation; improving road shoulders; stabilizing culvert inlets and outlets with stone; installing check dams, sediment (plunge) pools, turnouts and runoff diverters; reshaping and crowning roads and driveways; and planting buffers. Candidate sites have been identified based on severity of impact as specified in the watershed survey and probability of landowner cooperation. Final site selection may change pending completion of the cost-sharing agreement, engineering design and permit approval. Installing conservation practices will reduce the pollutant load to Lake Anasagunticook by an estimated 45 tons of soil per year. A list of candidate sites is attached.

Start and Completion Dates	Start: March 1, 2021 End: November 15, 2022	
Grant Cost: $35,696.00	Match Cost: $28,570.00	**Total Cost: $64,266.00**
Breakdown of Grant Cost by Cost Category: Construction, $23,676; Personnel Services, $2,300; Sub-grant (ARWC), $5,600; Contractual Services (Engineer), $3,040; Mileage, $1,080.		
Breakdown of Match by Cost Category: Construction, $28,570.		

Task 4 – Technical Assistance
Project partners will provide watershed residents with technical assistance for at least 22 sites. Implementation of technical assistance (plus residential matching grants) should reduce soil loading by an estimated 5 tons/year. LAA will utilize email, its Facebook page, website and mailings to communicate the availability of technical assistance. Local news articles will be used to communicate activities and opportunities. Technical assistance will be offered at 2 LAA annual meetings. OCSWCD will also advertise the availability of technical assistance on its website. Site conditions and general recommendations will be summarized in brief reports. Project partners will follow up with landowners to get a commitment regarding which measure(s) the

landowner plans to implement and when, and to see whether additional assistance is needed. OCSWCD and ARWC will compile, in list form, a brief description of the problem(s) and recommendations, and landowner response to follow up, and a summary of measures implemented.

Start and Completion Dates	Start: April 15, 2021 End: November 30, 2022	
Grant Cost: $5,165.00	Match Cost: $745.00	**Total Cost: $5,910.00**
Breakdown of Grant Cost by Cost Category: Personnel Services, $2,000; Sub-grant (ARWC), $2,400; Mileage, $765.		
Breakdown of Match by Cost Category: Donated Services, $659; Donated Mileage, $86.		

Task 5 – Residential Matching Grants

The 2019 watershed survey documented 17 residential sites that contribute NPS pollution. After roads and driveways, residential comprise the highest percentage of sites found in the survey. Because of their cumulative impact, OCSWCD believes a special outreach effort and cost-sharing program is needed to address and correct residential NPS problems.

The steering committee will offer residential matching grants on a cost-share basis to at least 7 residential properties. These sites will be chosen based on severity of impact and probability of landowner cooperation. Cost-sharing will be on a 50-50 basis. A cost-sharing agreement will be prepared for each recipient. OCSWCD, through the grant, will provide up to $350 per site, to be matched by a $350 minimum contribution from the landowner (in cash, donated labor, supplies or equipment).

Most residential sites require simple erosion control measures – such as runoff diverters, dripline trenches and enhancing buffers – that are not anticipated to be excessively expensive. Potential sites have been identified. Final selection may change pending satisfactory completion of a cost-sharing agreement and permit approval. The availability of residential matching grants will be advertised in press releases, postings on the OCSWCD and LAA websites, LAA Facebook page, and mailings. Residential matching grants will be offered at two LAA annual meetings during the project. Implementation of residential matching grants (plus technical assistance) should reduce soil loading to Lake Anasagunticook by an estimated 5 tons/year.

Start and Completion Dates	Start: April 15, 2021 End: November 30, 2022	
Grant Cost: $4,470.00	Match Cost: $2,450.00	**Total Cost: $6,920.00**
Breakdown of Grant Cost by Cost Category: Construction, $2,450; Personnel Services, $500; Sub-grant (ARWC), $1,250; Mileage, $270.		
Breakdown of Match by Cost Category: Donated Services, $2,450.		

Task 6 – Education & Outreach

Education & Outreach are critical to project success. The goals for E & O are two-fold: 1) Educate the public about watershed protection and lake stewardship; 2) Spur a

specific subset of the community to implement BMPs to control NPS pollution.
Goal 1: Presentations will be given at the 2021 and 2022 LAA annual meetings to update members about progress, promote workshops and advertise technical assistance and matching grants. LAA, OCSWCD and/or ARWC will meet at least once during the project with the Canton and Hartford Select Boards to give updates. Press releases and mail, or email, to watershed residents at project start-up will publicize activities and workshops, the availability of technical assistance and residential matching grants, and provide updates. Two workshops will demonstrate erosion control techniques: tentative plans call for one to focus on camp road maintenance and the other to demonstrate buffer planting. A final project brochure will be distributed featuring "before" and "after" photographs at NPS & RMG sites & discusses stewardship, NPS pollution and the positive outcomes of the project.

Goal 2: Spurring BMP implementation to focus on shorefront and near-shore where land with minimal or no vegetative buffers extends to the shore. The significant of residential sites found in the watershed survey poses a particular challenge to protecting water quality. Potential barriers to action (e.g., lack of knowledge, money, or time, or confusion about dealing with shoreland zoning regulations) and possible solutions will be discussed in the more intimate setting of a "house meeting". The goal is to establish or enhance vegetative buffers along at least 50 feet of shoreline.

Start and Completion Dates	Start: January 1, 2021 End: December 31, 2022	
Grant Cost: $3,480.00	Match Cost: $605.00	**Total Cost: $4,085.00**
Breakdown of Grant Cost by Cost Category: Personnel Services, $2,900; Sub-grant (ARWC), $400; Mileage, $180.		
Breakdown of Match by Cost Category: Supplies, $50; Donated Services, $555.		

Task 7 – 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 5oad Estimation Model http://it.tetratech-ffx.com/steplweb/ and/or the U. S. Forest Service WEPP Road Model at http://forest.moscowfsl.wsu.edu/fswepp/ Results will be provided using DEP's "Pollutants Controlled Report" (PCR), which will be submitted to the MDEP, by December 31st of each project year.

Start and Completion Dates	Start: April 30, 2021 End: December 31, 2022	
Grant Cost: $300.00	Match Cost: $0.00	**Total Cost: $300.00**
Breakdown of Grant Cost by Cost Category: Personnel Services, $100; Sub-grant (ARWC), $200.		
Breakdown of Match by Cost Category: $0.		

IX. Deliverables

An electronic copy of each deliverable will be provided to the DEP Contract 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/2016GrantAdminGuidelinesFinal2.docx.*

1. Grant agreement with between OCSWCD and DEP, sub-contract with ARWC, semi-annual progress reports, final project report, NPS site tracker (Task 1)
2. NPS site reports of NPS Abatement Projects, including pre & post-construction photos (Task 3).
3. Summary of technical assistance provided – brief description of problem(s), recommendation(s), and outcome (Task 4).
4. Summary of residential matching grants with pre & post-construction photos (Task 5).
5. Copies of all newspaper articles, press releases, web & Facebook postings (Task 6).
6. Pollutants Controlled Reports each year until project completion (Task 7).

X. Project Coordinator

Name	Michele Windsor
Organization	Oxford County Soil & Water Conservation District
Mailing Address	17 Olson Street, Suite 3, South Paris, ME 04281
Telephone Number	(207) 744-3111
Email Address	oxfordcountyswcd@outlook.com

XI. Project Budget

Federal Funds:	**$51,655**
Non-Federal Match:	**$34,844**
Proposed Total Cost:	**$86,499**

Part 1. Estimated Personnel Expenses: (Applicant staff only)

Position Name & Title	Hourly Rate	Number of Hours	Salary & Fringe	Total Applicant Personnel Expenses
Michele Windsor, Project Manager	$50	189	$9,450	$9,450
Totals		**189**	**$9,450**	**$9,450**

Part 2. Budget Estimates by Cost Category

Cost Category	Federal Funds	Non-Federal Match	Total Cost
Salary & Fringe (from Part 1)	$9,450	0	$9,450
Subgrant	$10,500[1]	0	$10,500
Contractual	$3,040[2]	0	$3,040
Donated Services – Labor		$3,994[3]	$3,994
Construction	$26,126	$30,320	$56,446
Travel (Mileage: 6,264 miles @ .45/mile)	$2,539	$280	$2,819[4]
Supplies	0	$250[5]	$250
Other			
Indirect Costs			
Totals	**$51,655**	**$34,844**	**$86,499**

Part 2 Notes:
(1) ARWC Sub-grant: 210 hours @ $50/hour.
(2) Contractual (engineering services): 32 hours @ $95/hour.
(3) Donated Services-Labor –
a) $23.12/hour community members: steering committee, 53.95 hours; participate in TA consultations, 28.5 hours; donated labor for RMGs, 30.1 hours; participate in workshops, 21.3 hours.
b) $50/hour: OCSWCD and ARWC, steering committee, 18 hours.
(4) Travel – 6,264 miles @ .45/mile.

(5) Supplies –
a) OCSWCD: office space, $35; computer, $25; paper, $40.
b) LAA: stamps, $80; mailing labels/envelopes, $50; copying, $20.

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

Sources of Non-federal Match	Amount
Lake Anasagunticook Association ($4,000 cash, $3,000 in-kind)	$7,000
Town of Canton ($5,000 cash)	$5,000
Town of Hartford ($8,000 cash, $2,000 in-kind)	$10,000
Canton Mountain Wind ($5,000 cash, $1,200 in-kind)	$6,200
Oxford County Soil & Water Conservation District ($500 in-kind)	$500
Androscoggin River Watershed Council ($500 in-kind)	$500
Lake Shore Drive in Canton ($550 cash, $506 in-kind)	$1,056
Pine Shores Subdivision ($200 in-kind)	$200
Canton Hi-Riders Snowmobile Club ($300 cash, $276 in-kind)	$576
GoFundMe appeal on LAA Facebook page ($125 cash)	$125
Watershed Residents ($1,400 cash, $2,287 in-kind)	$3,687
Total	**$34,844**

XII. Candidate NPS Sites List

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
#3-04. Bryant Drive @ brook crossing.	Privately-maintained road. High impact. Severe ditch, shoulder and road erosion runs directly into a tributary of Thompson Brook and then into the lake. Soil loss = 8.11 tons/year.	Reshape (crown) road. Install turnouts. Reshape ditch & line with rock. Replace undersized culvert & armor inlet/outlet.	Grant: $7,500 Match: $7,500 Total: $15,000
#6-07. Goding Rd near cemetery where 2 brooks join.	Town road (Hartford). Medium impact. Shoulder and unpaved road surface erosion on steep slope to brooks. Undersized culvert. Soil loss = 6.72 tons/year.	Reshape (crown) road. Line ditch with rock. Replace undersized culvert & armor inlet/outlet. Plant buffer.	Grant: $4,500 Match: $4,500 Total: $9,000
#1-10. Lindley Road near Canton village.	Town road (Canton). Medium impact. Road surface erosion. Berm keeps water on road and prevents it from entering ditch. Soil loss = 3.38 tons/year.	Remove berm that keeps storm water from entering ditch. Line ditch with rock. Reshape (crown) road.	Grant: $4,500 Match: $4,500 Total: $9,000
#1-08. Un-named road across bk. that flows directly to town beach @ Rte. 140.	Private road to logging site. High impact. Undersized culvert can't handle high flows. Erosion on unpaved road from steep slope enters stream. Soil loss = 3.02 tons/year.	Replace undersized culvert and armor inlet/outlet. Reshape (crown) road. Install turnouts.	Grant: $4,500 Match: $4,500 Total: $9,000
#6-03. Darrington Rd about .10 mile past jct. with Goding Rd as come from Rte. 140.	Town road (Hartford). Medium impact. Undersized and collapsing culvert at outlet end. NPS directly enters brook. Soil loss = 2.45 tons/year.	Replace undersized culvert and armor inlet/outlet.	Grant: $4,175 Match: $4,175 Total: $8,350
#3-01. Church Street @ Thompson Brook.	Town road (Hartford). High impact. Paved road. Build-up of winter sand. Sever shoulder and ditch erosion. Soil loss = 2.16 tons/year.	Remove winter sand. Line ditch with rock. Re-access turnouts and install sediment pools.	Grant: $4,000 Match: $4,000 Total: $8,000

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
#2-02. Road to Canton Water District building.	Medium impact. Severe shoulder erosion. Direct flow of storm water downhill short distance to lake. Soil loss = 1.28 tons/year.	Enhance buffer. Apply Erosion Control Mix. Reshape shoulder.	Grant: $2,000 Match: $2,000 Total: $4,000
#6-05. Darrington Rd just before jct. with Goding Rd if coming from Rte. 140.	Town road (Hartford). Medium impact. Undersized and collapsing culvert on inlet side. Direct flow of storm water to stream. Moderate road surface erosion. Soil loss = 0.49 tons/year.	Replace undersized culvert. Armor inlet and outlet. Reshape (crown) road.	Grant: $3,025 Match: $3,025 Total: $6,050
#4-13. Where Camp Road becomes private @ bend in road.	Private road to boat launch. High impact. Direct flow of NPS to lake. Ruts in unpaved boat access road. Soil loss = 0.36 tons/year.	Install runoff diverters and sediment pool.	Grant: $1,700 Match: $1,700 Total: $3,400
#6-04. Goding Road (same brook as #6-03 and #6-05).	Town road (Hartford). Medium impact. Undersized culvert. Moderate road surface erosion (unpaved). Soil loss = 0.22 tons/year.	Replace undersized culvert and armor inlet/outlet. Reshape (crown) road. Enhance buffer.	Grant: $3,025 Match: $3,025 Total: $6,050
#5-04. Across from 185 Main Street.	Residential. High impact. Gully, ditch erosion, bare soil, moderate slope, direct flow to lake.	Install plunge pool, reshape and armor ditch with stone, establish buffer, re-seed bare areas.	Grant: $3,000 Match: $3,000 Total: $6,000
#4-02. Camp Road @ crossing of Sparrow Brook.	Town road (Hartford). High impact. Sheet and gully road shoulder erosion, storm water flow directly to major tributary of Lake Anasagunticook.	Remove debris/sediment from ditch, install check dams, remove build-up of winter sand.	Grant: $2,000 Match: $2,000 Total: $4,000