

**TOWN OF WINDHAM  
WATERSHED PROTECTION FUND  
2019 GRANT APPLICATION**

**Eligible Projects:** Grant funds can only be used for the protection or restoration of water bodies located in whole, or in part, within the Town of Windham. Preference will be shown toward non-profit organizations that are based in Windham. Preference will also be shown toward projects that will promote the sharing of equipment, knowledge, and other resources with other non-profit groups in the Town of Windham.

**Application Deadline:** The grant application deadline is February 18, 2019. All applications must be delivered to the Windham Town Manager's Office by that date. Incomplete applications will not be accepted. Applicants will be notified of incomplete applications within five days of their receipt at the Town Manager's Office.

**Grant Award and Disbursement:** The Windham Town Council will complete their review of the applications and select grant recipients by March 12, 2019. All applicants will be notified of the Council's decision. Payment for organizations awarded a grant will be processed with the warrant of April 17, 2019. The Town reserves the right to grant all, or any part, of the total amount requested.

**Deliverables:** Grant recipients will be required to submit a Final Report upon completion of all project activities. The Final Report shall include an accounting of all income and expenses presented in the same format as the original budget spreadsheet, a list of accomplishments, digital photographs, and the name of the organization responsible for maintaining any equipment or infrastructure associated with the project.

**Applicant Contact Information:**

Applicant Name\_Little Sebago Lake Association\_\_\_\_\_

Contact Person\_Pam Wilkinson\_\_\_\_\_

Address\_\_\_\_PO Box 127\_\_\_\_\_

City\_\_\_\_Windham\_\_\_\_ State\_\_\_\_ME\_\_\_\_\_ Zip Code\_\_\_\_04062\_\_\_\_\_

Phone\_207-428-3732\_\_\_\_\_ Fax\_\_\_\_\_

E-mail\_\_pwilkinson@littlesebagolake.com\_\_\_\_\_

**Qualifications and Experience:**

In 500 words, or less, present a brief summary of applicant qualifications to carry out the project. Summarize relevant experience and financial, administrative, and technical qualifications of the organization. Summarize relevant experience of the person that will manage the project. (Attach more pages, if necessary.)

The Milfoil Militia Committee of Little Sebago Lake Association has been extracting milfoil for over 16 years. Originally the basins of Windham and Gray had very dense beds of variable milfoil. Milfoil was discovered in early 2000 and the State was notified. After two years the association with the engineering expertise of one of the board members developed what is known today as the suction dredge AKA HIPPO (Hydraulic Invasive Plant Processing Operation) or DASH (Diver Assisted Suction Harvester). In 2005 our dredge was completed. We passed on our technology to others who morphed it into other boats with varying types of extraction. The LSL Milfoil Committee also developed procedures and reports that have also been revised by the State for tracking and reporting purposes. Our efforts to substantiate the operations over the past few years include fund raising, generous donations from the lake members, reaching out to adjacent towns, State DEP support. Over the past 16 years we have elevated our effectiveness and efficiency with our operations. Our fleet management and maintenance is managed with a committee who maintains the fleet and fields all calls should issues arise. Volunteers field calls. Repairs are done by a professional with billable hours. We have a crew who are seasoned, familiar with the lake's issues and are paying our divers more to avoid training people who are not familiar and tend to leave the next year. The crew are bus drivers and teachers who have emergency skills and training should and incident happen. We observe OSHA requirements. The operation has a volunteer director who oversees the daily activity, record keeping, scheduling, payroll and personnel. The operations are mainly in Windham. We hire a part time person who helps with record keeping. The volunteers and paid crew are trained through the State programs and attend various seminars throughout the year.

**Project Description:**

**Project Name**\_\_Little Sebago Lake Variable Leaf Milfoil Mitigation Program\_\_

**Water Body Name**\_Little Sebago Lake\_\_\_\_\_

In 500 words, or less, describe the proposed project (problem/solution). Attach maps and sketches, if appropriate.

Maps attached.

We will continue to survey the existing beds, monitor and remove the invasive variable milfoil as necessary. We are gaining success but cannot stop monitoring and removing the smaller plants that are more difficult to find but without removal will recreate the dense beds we have worked so hard to destroy. We are monitoring and recording developing algae blooms that occur during the year and checking to see if it is an occasional occurrence or if it reoccurs. We have a great system of surveying in the beginning of the year existing bed, prioritizing where to go first and circling the lake every two to three weeks to inspect conditions. We have an out- reach program for lake owners to report suspicious plants and we have a response team.

**Project Benefits:**

In 500 words, or less, describe the project benefits. Who and/or what will directly benefit from the project and how will it benefit the citizens of Windham? What are the consequences of not completing the project?

The lake is to be used by all people in the State of Maine, lot owners surrounding the lake, those who live outside the land surrounding the lake and those outside the State of Maine. Of course those who are lot owners around the lake draw an immediate benefit of use and protection for decline in property values. One has only to Google other lakes affected in Maine and what reduction in property values are given, thus reduction in tax revenue for the towns. This has an effect on all those who live in the town. If the property values are reduced around the lake then those living internally will be paying more. If the lake becomes clogged and we are not able to swim, boat, fish and relax around the lake then we lose the residual income that area businesses and rental properties enjoy. We as people lose the benefits we all enjoy around the lake and the ecosystem of the lake is compromised. If we do not give annual support and continue to work to reduce the fragment growth and root growth in the lake there is supporting evidence in other states to show the harmful effects to all.

Over a 16 year period approx. 123 tons of milfoil has been removed.

Progress: See attached Variable Milfoil Removal Grid to view reductions in removal.

Due to weather conditions some areas showed a slight increase (low water) but overall good.

**Project Schedule and Cost:**

Planned Duration:      Start Date: June 17, 2019      End Date: Sept 30, 2019

Total Cost of the Project      \$ 47,856.80

Amount Requested from the Windham Watershed Protection Fund \$ 8000.00

Matching Funds:      Cash: \$ 29750.00      Services: \$ 8106.80

Who will provide the matching funds/services? Little Sebago Lake Association

Will there be any other sources of funding? Anticipated but not guaranteed  
\$ 8000.00 requested Town of Gray depending upon budget approval  
\$ 10,000.00 DEP State of Maine RFP –Depends upon allotment.

**Sustainability:** In 500 words, or less, describe how the project will be funded in future years, if applicable. What are the anticipated annual costs? Have sources of funding been set aside for maintaining/continuing the project?

Our track record shows that we have had members of the lake association support our efforts with our membership drive. We are a 501.c.3 status. We rely on the generosity of the surrounding towns to support us with their budget each year to protect the resource of all tax payers. The state continues to provide some funding. We will continue to educate and inform all about our efforts to maintain the quality of the lake. As you know so well we cannot rely on any one thing to sustain our efforts but we appreciate your support to assist us and avoid going into the reserves that should be targeted for emergencies; i.e. the cost to repair or replace the dam should it become compromised or any other issue arise that needs immediate attention. As long as our fleet is maintained and donations continue the volunteers will continue to make sure this operation lasts. Our 16 years so far has not wavered.

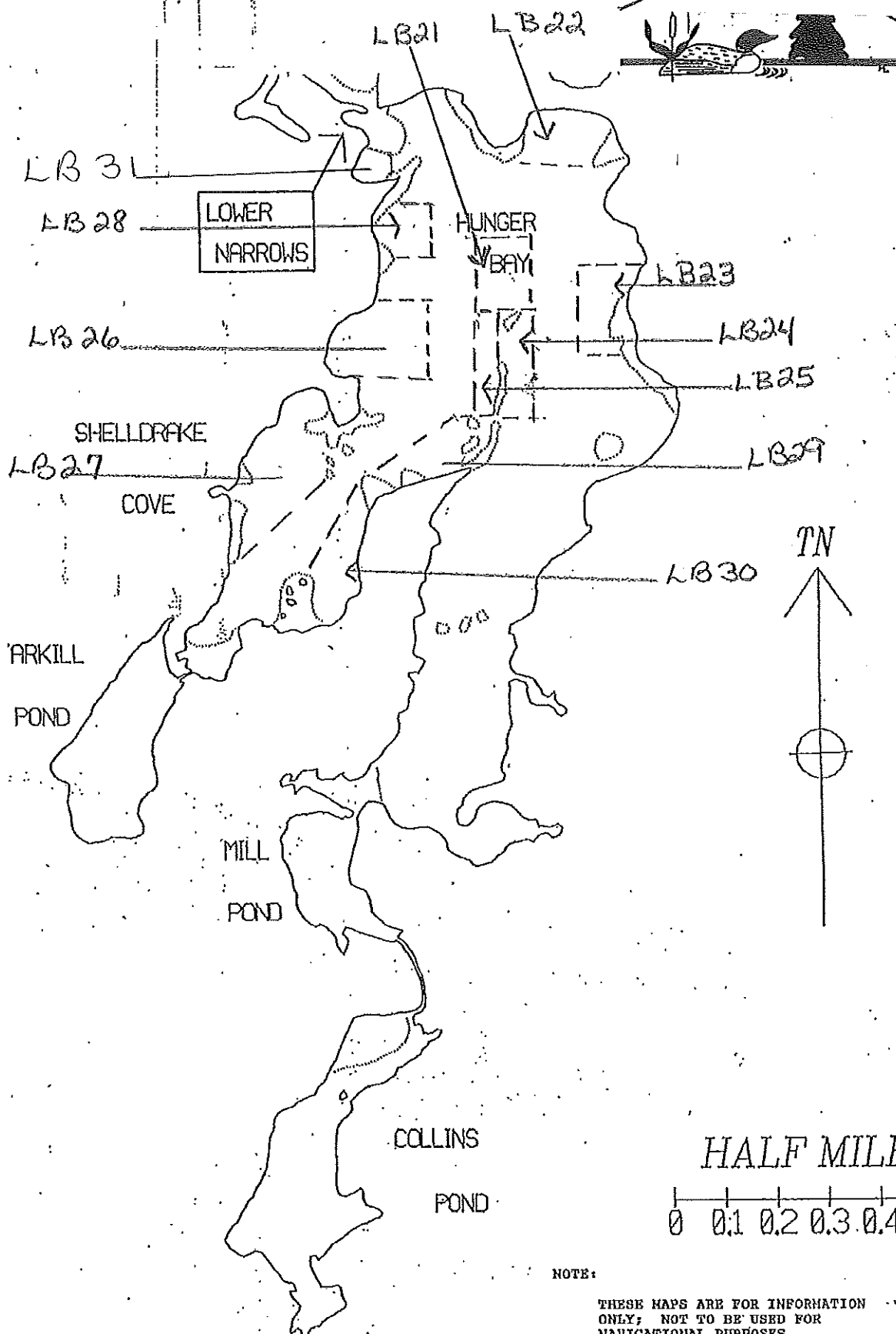
**Resource Sharing:** In 500 words, or less, describe if equipment, knowledge, or other resources that would be acquired in association with this project can be shared with other non-profit groups in Windham. Will there be partnerships formed as a result of this project? List all the groups that could potentially benefit from this project.

We love to share any information so others avoid our learning curve. We shared the technology for the suction dredges, the protocols and all experiences that could be refined for each request. Groups who have benefited are Collins Pond in Windham, Lakes Environmental Assoc. in Naples, VLMP-Volunteer Lake Monitoring Program, State of Maine DEP and all affected lakes who are now using a variation of the HIPPO technology. We submit our information which is shared at various group meetings and summits throughout the year. Should there be other interested parties we are more than willing to assist. We have worked with an intern from the University of New England who wishes to work for the State of Maine. He was in contact with and worked with Maine Natural Resources doing mapping with their pilot program. We also have worked with area students who request our assistance with projects.

## Little Sebago Lake Association Milfoil Tally

[illegible]

# Little Sebago Lake Lower Lake Milfoil Beds and Survey Areas



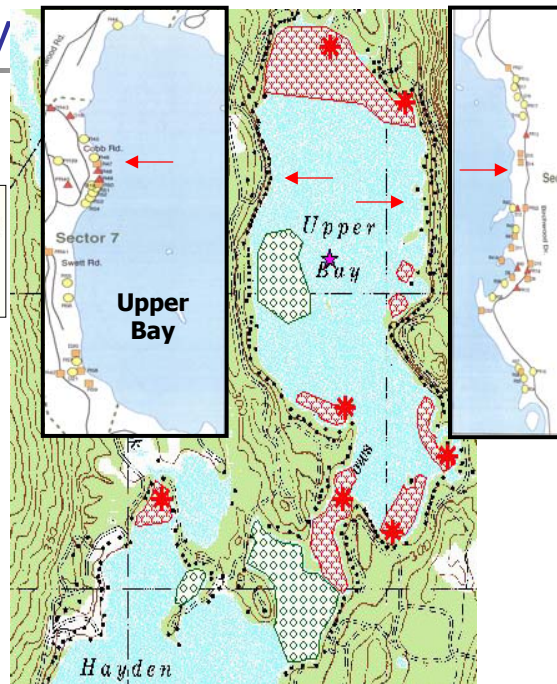
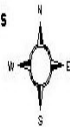
NOTE:

THESE MAPS ARE FOR INFORMATION  
ONLY; NOT TO BE USED FOR  
NAVIGATIONAL PURPOSES.

# Upper Bay

Legend		
Impact to Lake	High	Driveway
	Medium	Residential
	Low	Private Road
		Beach
		Boat Access
		Logging
		Agricultural
		Construction Site

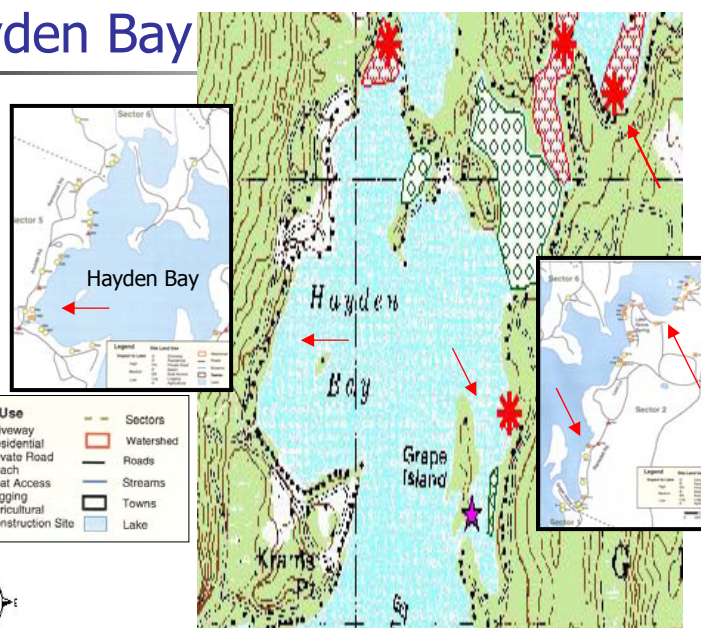
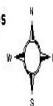
☆ Individual Plants/Clumps  
 ★ High Density Area  
 Approximate Extent  
 common  
 occasional



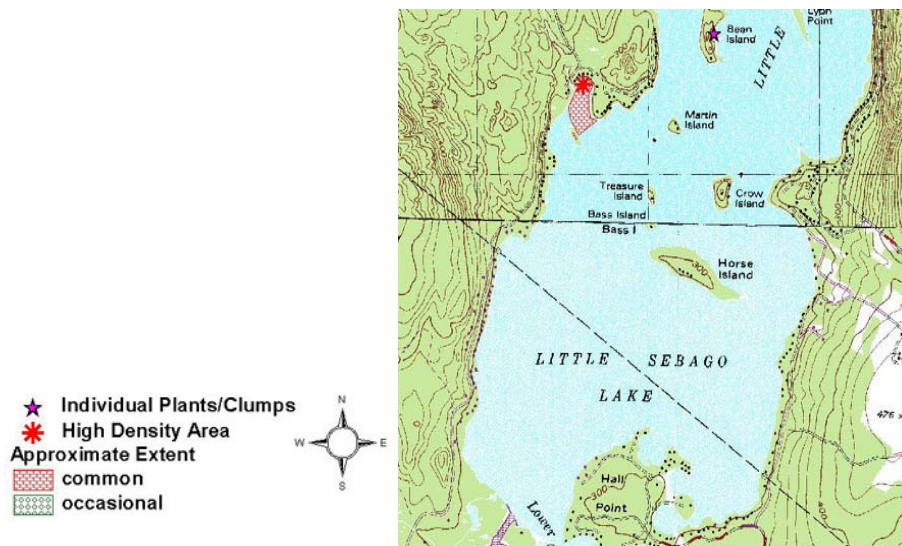
# Hayden Bay

Legend		
Impact to Lake	High	Driveway
	Medium	Residential
	Low	Private Road
		Beach
		Boat Access
		Logging
		Agricultural
		Construction Site

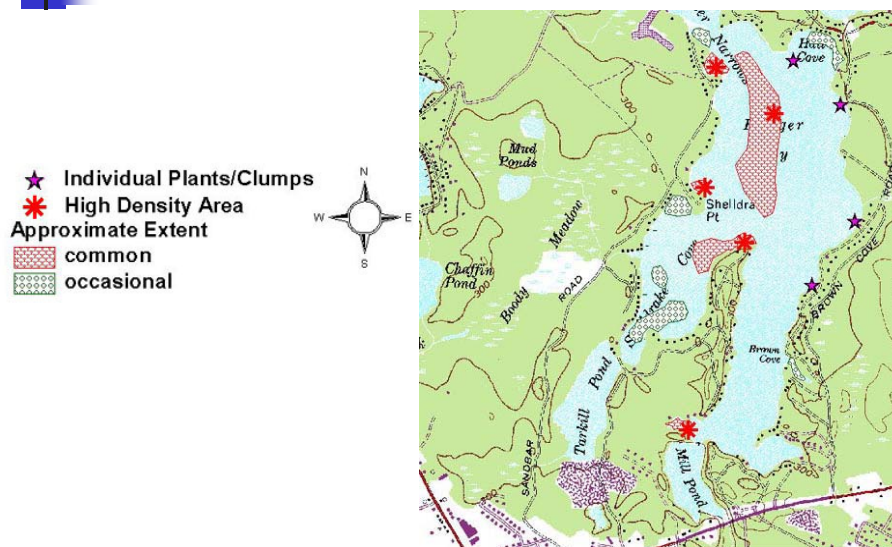
☆ Individual Plants/Clumps  
 ★ High Density Area  
 Approximate Extent  
 common  
 occasional



## Middle Bay



## Lower Bay





**State of Maine**  
**Department of Environmental Protection**  
Division of Environmental Assessment, Invasive Aquatic Species Program  
**2019 INVASIVE AQUATIC PLANT REMOVAL GRANT APPLICATION**  
**RFP#201810212**  
**Competitive Grant Program for Invasive Aquatic Plant Removal**

Maine Department of Environmental Protection (DEP) awards Cost Share Grants to lake organizations that conduct invasive aquatic plant control projects. Eligible organizations include municipal and county governments, quasi-municipal organizations (including water districts) and 501(c)(3)-eligible organizations.

Grants are awarded by priority. First priority projects address incipient invasive plant infestations with potential for eradication. Second priority projects aim to reduce spread of invasive aquatic plants within and between waterbodies, i.e., invasive plant removal near boat access points and in areas with high boat traffic. Third priority projects support recurring maintenance projects.

Please note: OSHA commercial dive standards apply to operations that compensate SCUBA and/or Surface Supplied Air divers for plant control work (link: [OSHA Standards for Commercial Diving Operations](#)).

**I. Eligible Activities**

This grant is for invasive aquatic plant control projects on infested lakes, as follows:

- Manual plant control techniques such as placement of benthic barriers, plant removal by hand, and plant removal by hand with suction dredge (i.e., Diver Assisted Suction Harvest or DASH).
- Plant surveys directly related to removal efforts, i.e., surveying infested areas prior to and/or after removal if needed to focus removal efforts or monitor efficacy.
- Surface support directly related to the removal operation. The application must show how these expenses are integral to the removal operation.
- Other expenses directly related to invasive aquatic plant removal.

**II. Selection Criteria and Scoring (Maximum Score 100)**

***Project Purpose and Scope (25 points)***

Describe what the project seeks to accomplish. Projects should identify clear goals, utilize proven and effective methods, indicate the likelihood of success and include a plan for monitoring effectiveness of removal efforts. Reviewers consider feasibility of project success, the potential for achieving long-term reduction of the infestation and the clarity in explanation of grant expenditures. The Department prefers projects that provide multi-year planning and demonstrate how each year builds off the progress of previous work. While we encourage multi-year planning, funding requested in this application should be for work in 2019 only.

***Local Support and Funding (25 points)***

Applicants must bring their own resources to the project in the form of cash and in-kind support (volunteer services or donations of goods and services). A minimum 20% cash match is required for each grant application proposal. The Department prefers projects that maximize local match and demonstrate strong community support for invasive aquatic species prevention and control. Support letters are encouraged but not required.

***Courtesy Boat Inspection (CBI) Program (10 points)***

Applicants for plant control projects should have an active Courtesy Boat Inspection (CBI) program or explain why one is not warranted.

***Plant Survey (10 points)***

Applicants must have completed at least a Level 2 plant survey per the Volunteer Lake Monitoring Program's (VLMP) Invasive Aquatic Plant Screening Survey Procedures (link: [VLMP Level 2 Survey](#)). A Level 2 survey covers boat ramps, areas of concentrated boat traffic and shallow, sheltered coves. Grant funds support only plant surveys needed to direct plant removal efforts or assess efficacy of removal.

### ***Training, Experience and Track Record (30 points)***

Application proposals demonstrating trained and experienced staff and volunteers are given additional consideration by reviewers. Examples of training are attendance at VLMP plant patrol workshops, SCUBA certification or other fundraising or organizing experience that enhances efficiency of the work. DEP also considers the applicant's performance under past cost share grants, if applicable when reviewing the current application.

### **III. Requirements, payment, and reporting deadlines**

#### **Requirements:**

- Minimum 20% cash match.
- A current PBR (Permit-by-Rule) for manual control of invasive aquatic plants. Contact DEP ([milfoil@maine.gov](mailto:milfoil@maine.gov)) if you don't know if you have a current PBR.
- Recipients must follow the DEP protocol for manual control of invasive aquatic plants. DEP provides the protocol with the PBR.
- VLMP manual removal training is required for individuals engaged in plant removal supported by grants funds.
- To the extent applicable, your operation is responsible for compliance with OSHA commercial diving standards if you receive a Maine DEP plant control grant and pay SCUBA and/or Surface Supported Air divers.

#### **Deadlines, payments, reporting:**

- Grant applications in 2019 must be received at State of Maine Division of Procurement Services by February 12, 2019. Please carefully read submission requirements in the RFP.
- Grant awards in 2019 will be made by March 8, 2019 after which DEP will develop contract for services for each successful Applicant.
- Seventy-five percent of grant amount is paid after the contract is signed and encumbered.
- An interim report must be submitted by the August 9, 2019. DEP will send the interim report format to successful Applicants.
- The final twenty-five percent is paid upon receipt and approval of the final report. This payment is forfeited if the final report is not submitted by November 1, 2019. DEP will send the final report format to successful Applicants.

#### **To Apply**

The completed application must be submitted to State of Maine Division of Procurement Services by 4:00 pm, local time, on February 12, 2019 see the RFP for details. **Applications not received at the Division of Procurement Services by the aforementioned deadline will not be considered for contract award. If funding remains after the initial granting period, the Department will consider additional qualified applications.**

#### **Contents required for all application packets:**

- ✓ Invasive Aquatic Plant Removal Cost Share Application (**Attachment 1** of the RFP). Instructions follow the application form.
- ✓ Lake map showing infestations to be managed.
- ✓ State of Maine RFP Appendix A

**Submit application electronically to** Division of Procurement Services: [Proposals@maine.gov](mailto:Proposals@maine.gov)

## 2019 Invasive Aquatic Plant Removal Grant Application

Submit electronically by the deadline noted above to: State of Maine Division of Procurement Services at the following email inbox: [Proposals@maine.gov](mailto:Proposals@maine.gov).

See RFP for details of submission

### PART I: APPLICANT INFORMATION

Organization Name: Little Sebago Lake Association

Chief Executive – Name/Title: Pam Wilkinson President

Email: [pwilkinson@littlesebagolake.com](mailto:pwilkinson@littlesebagolake.com)

Tel: 207-428-3732

Organization Street Address: 46 Birchwood Road

Organization City/State/Zip: Gray, ME 04039

**Provide information below if different from above**

Lead Point of Contact for Application – Name/Title: Pam Wilkinson -Milfoil Director

Email: same

Tel:

Point of Contact Street Address:

Point of Contact City/State/Zip:

- This application 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 Applicant's application proposal.
- No attempt has been made, or will be made, by the Applicant to induce any other person or firm to submit or not to submit an application proposal.
- The above-named organization is the legal entity entering into the resulting agreement with the Department should they be awarded the contract.
- 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 application proposal, both programmatic and financial, is complete and accurate at the time of submission.*

**Name (Print):**

Pamela Wilkinson

**Title:**

**President and Milfoil Director**

**Authorized Signature:**



**Date:**

**12 February 2019**

## PART II: WATERBODY INFORMATION

Waterbody Name: Little Sebago Lake

Midas # 3714

Lake Maps Included: ☒ YES ☐ NO

Invasive Plant: Variable Milfoil

Town(s) containing shoreline Gray and Windham

Public Access (check all that apply)

☒ State ☐ Municipal ☒ Private ☐ None

Number of Public Access Points 1 State , 1 Association, several other shared private accesses

Total Acreage of Waterbody: 2009

CBI Coverage: ☒ YES ☐ NO (if no why)

(If Yes) How long? 16 yrs.

Name Inlets/outlets: Outlet-Hopkin Dam. Inlets: Sand, Sucker, Twin Island, May Meadow, Farwell, Hayden, Mud Pond and Clubhouse Brooks

## PART III: INVASIVE AQUATIC PLANT MANAGEMENT PROGRAM

Please see the attached instructions for completing the Invasive Aquatic Plant Management Program. Contact Maine DEP with any questions you have or if you need assistance in developing a plan.

**1. OSHA compliant if applicable.   X  YES       NO       N/A       In Progress (explain)**

**2. Project Goals and Scope (see elements to consider under II. above)**

Our ultimate goal is to return the lake into its original non-infested state. Until we reach that goal, we will continue to incrementally decline the amount of milfoil removed from Little Sebago Lake each year. After the 2018 Removal Summary a Milfoil Grid demonstrates the positive impacts we have had on the removal of invasive milfoil over the past 16 years, which speaks for itself. It demonstrates the decline in the number of bags of milfoil extracted with the exception of last year; a slight increase in some areas but overall decline. We believe it may be due to the low water table our drought causing the sunlight to reach other areas. Over the past 16 years 123 tons of milfoil have been removed. Our plan is to target all 34 sites with survey, prioritizing sites that have a high potential of milfoil fragmenting due to boat traffic, removal at the other sites and rechecks every two to three weeks during the summer. Careful removal and tedious monitoring has proven over the years that our efforts have worked. The next few years we need to stay vigilant searching for every tiny hidden plant to avoid the dense beds returning.

Operation begins each with a meeting to review last year's information, develop a plan and go over safety reminders. Then surveying begins the last two weeks of June and then systematic rechecks every two to three weeks and re-grooming if necessary. Our team has been invaluable. They have been with us for numerous years and the consistency and knowledge they have avoids training and retraining new people each year. The divers and crew have deep knowledge of the sites and the lake bottom. Our full operation starts the week after July 4<sup>th</sup> beginning with Mumford Cove and Beaver Cove where it is shallow and fishing boats can cause fragmentation. We then target the Upper Basin and Upper Narrows extracting milfoil in areas that had mixed density with mostly small plants. The Upper Narrows is a high boat traffic area that needs priority. Coves will be next since there is a lot of fishing. After spending a couple of weeks in the Upper Basin we will move the operation to the Lower Basin. We focus on the existing beds and check other areas while traveling south to the Lower Lake beds. We will return to the coves and Upper Basin for re-check after a couple of weeks. We found blooms in late July early August. The plants are small and we are extracting only a few bags a day compared to previous years with the exception of a few denser beds. It still takes as much if not more time to search for the milfoil. We respond to property owner's request to look at their area for milfoil and will remove as necessary. We inform them to keep the natural vegetation in order to discourage invasive growth and try to mitigate phosphorous impacts.

Milfoil presentations are given to the towns of Windham and Gray at various times of the year informing constituents of the progress and encourage them to get involved. We express the concern that without financial support for the milfoil program, the decline in property values would have a negative impact on the revenue from taxes and economic impacts. We have various forms of education starting with our annual meeting, brochure hand-outs at the boat ramp and from our Safety Patrol boat, Facebook page and Website. This is important to let all that use the lake to become stewards, know the difference between invasive and non-invasive and report anything suspicious. This has worked well. This leads to citizens calling during the summer for us to come check their spot. Sometimes it is a native plant but last year it was a few milfoil plants near the dock but divers know to look north and found a large dense bed developing. We have a CBI program which is also supported by the membership. The same dedicated team, Jim and Jackie, take pride in their job. They are there for fishing tournaments and offer a host of suggestions to boaters to make sure they are aware. They will report if fragments wash up on shore. We have surveyed the boat ramp and surrounding areas going north on the west shore and not found invasive plants growing.

LSL has a strong supporting membership which supports the match costs for the project as well as volunteers who have dedicated countless hours to make sure the lake is usable for all whether it is humans swimming, boating, fishing or watching birds or mammal or fish who live by or in the lake.

### PART III: INVASIVE AQUATIC PLANT MANAGEMENT PROGRAM (CONT.)

All grants are required to have a current Invasive Aquatic Plant Management Program. Contact Maine DEP with any questions you have or if you need assistance in developing a plan.

#### 2. Summary of 2018 Removal.

Site name or number: Use name/number from grant application; please indicate if new site and show location on map	Benthic Barriers: Area Covered in square feet	Manual removal (includes DASH)		Observed condition of site at end of previous year Prompts to help in formulating response: <ul style="list-style-type: none"> <li>• Is IAP density heavy, moderate, sparse?</li> <li>• Returned to natural conditions, i.e., no IAP visible?</li> <li>• IAP knocked back significantly but still present?</li> <li>• Slight reduction in IAP?</li> <li>• No change in IAP density?</li> </ul>	Did removal in previous year meet the objective set in grant application? Please explain why or why not.
		Amount removed: Specify unit of measure (gallons, bags, etc.)	Approximate area cleared		
Little Sebago Lake Upper Basin 10 sites UB1, UB2, UB3, UB4, UB5, UB6, UB7, UB8, UB9, UB10		22 bags	Combined total approximately 80,000 sq. ft.	IAP knocked back significantly but still present	NO, coves, increase of 10 bags, may be due to lower water table
LSL Upper Narrows 5 Sites-UN11, UN12, UN13, UN14, UN15		21.5 bags	Combined total 60,000 sq. ft.	IAP knocked back significantly but still present	YES, all areas showed decreased growth
LSL Mumford Cove M31		2 bags	10,000 sq. ft.	IAP but still present	NO, Increase of 1 bag
LSL Beaver Cove M32		16 bags	10,000 sq. ft.	IAP still present	NO, Monitoring conditions. Perhaps due to lower water table. Checking Pickerel Pond tributary in 2019
M33 LSL Bean Island		0	1,000 sq. ft.	IAP knocked back	YES-New Site 2016; removal in 2017 Monitoring conditions No milfoil in 2018
M34 LSL Farwell Cove		.25 bags	1,500 sq.ft.	Reports of milfoil, surveyed and removed	YES Monitoring conditions
M35 Loon Island M36 Michaels Cove M37 Spider Island M38 Policeman Cove M39 Grape Island		3 plants .25 .25 .25 .25	1,000 sq. ft. 5,000 sq.ft 3,000 sq. ft 1,000 sq. ft 1,000 sq. ft	New sites reported by land owners and discovered while surveying	New Sites, small amounts found
LSL Boat Ramp		No milfoil		Monitored for precaution	Monitoring conditions
LSL Lower Basin LB21, LB22, LB23, LB24, LB25, LB26, LB27, LB28, LB29, LB30		93 bags	Combined total approximately 145,000 sq.ft	Moderate to IAP still present	YES, monitoring conditions. Decrease of 37 bags.

2004-2005	Upper Basin Narrows Gray		Twin Brooks Gray	Beaver Cove Gray	Mumford Cove Gray	Bean Is Gray	Farwell Cove Gray	Michael's Cove Lyon Pt Gray	Spider Island Gray	Grape Island Gray	Lower Basin- Windham	Bag Totals	Amount Spent	In-Kind Donated Time Calculation	Total Project Cost
					milfoil removed by hand, actual amount not recorded										0
2006		1200			lost info found in 2016 thru DEP, only totals given, no breakdowns										
2007	271		55	91	133						710	1260	67296.36	9255	76551.36
2008	215		62	63	97						1332	1769	55651.9	9260	64911.9
2009	390		58	9	296						967	1720	51580.26	13786	65366.26
2010	187		54	2	47						1491	1781	67265.6	17046.42	84312.02
2011	178		17	7	16						500	718	48350.18	12466.32	60816.5
2012	86.5		50	16	20.5	3					954	1130	46253.82	13300.68	59554.5
2013	314.5		25.75	49	33.5	3					760.75	1186.5	51507.84	13909.84	65417.68
2014	180.25		54.5	15	28						353	630.75	43926.33	13000	56926.33
2015	93		11	50	71						164.5	389.5	32233.42	9246	41479.42
2016	52.5			23.5	34						126.5	236.5	28143.76	9325.16	37468.92
2017	38.5		2	10	1	2	0.25				130	183.75	28,814.05	8,310.90	37124.95
2018	48.25		2	16	2	0	0.25	0.25	0.25	0.25	93	162.25	36186.47	8200	44386.47
	2054.5	1200	391.25	351.5	779	8	0.5	0.25	0.25	0.25	7581.75	12367.25	619726.49	146756.32	766482.81

Each bag equals approx.20 lbs. dry weight. To date approx. 123 tons removed over 15 years

To Date Totals Collected Gray / Windham

2006	1200
Gray	3585.5
Windham	7581.8
	12367

<b>3. Project Activities for 2019.</b>					
<b>A. Current Conditions</b> for each site, similar sites can be listed together. Indicate sites on map(s).					<b>B. Desired Condition</b>
Plant Location/Map and site	Aquatic Plant Inventory Mixed with natives, monoculture invasive	Plant Density <ul style="list-style-type: none"> <li>• Heavy</li> <li>• Moderate</li> <li>• Sparse mixed with natives</li> </ul>	Priority for removal: High, medium or Low	Uses affected – Boating, fishing, launches, swimming, campgrounds, Others	<ul style="list-style-type: none"> <li>• Return to natural(previous) conditions</li> <li>• Maintain current status</li> <li>• Prevent the spread to other waterbodies or in lake</li> <li>• Keep boat traffic clear</li> <li>• Others</li> </ul>
LSL Upper Basin-Gray 10 sites UB1-10	Variable milfoil with mixed natives	Sparse with mixed natives, some coves may be moderate	Medium Removed milfoil early after assessment and re-groom every 2-3 weeks when necessary	Areas used for boating, fishing and swimming. Lake flows from Upper Basin (north) to Lower Basin (south)	Improve current status and with continual regrooming the small plants the root systems will be depleted. Prevent spread and return to natural conditions is the goal.
LSL Upper Narrows-Gray Boat Traffic-5 sites UN 11-15	Variable milfoil mixed with natives	Sparse with mixed natives	High due to boat traffic	High boat traffic going to and from the Upper basin to middle lake. Prime areas for fishing and swimming.	Improve current status and with continual regrooming the small plants the root systems will be depleted. Prevent spread and return to natural conditions is the goal.
LSL Beaver Cove-Gray M 32	Variable milfoil mixed with natives	Sparse with mixed natives	High due to fishing and boat traffic	Prime area for fishing, little swimming due to bottom conditions. Pickerel pond empties into Beaver Cove with some boat traffic. Very shallow.	Improve current status and with continual regrooming the small plants the root systems will be depleted. Prevent spread and return to natural conditions is the goal.
LSL Mumford Cove-Gray M31	Variable milfoil mixed with natives	Sparse with mixed natives	High due to fishing and boat traffic	Boating, highly fished area, swimming	Improve current status and with continual regrooming the small plants the root systems will be depleted. Prevent spread and return to natural conditions is the goal.
LSL Bean Island M33 Farwell Cove Policeman Cove-Gray Grape Island Spider Island Michaels Cove	Variable milfoil mixed with natives	Sparse with mixed natives	Low	Some fishing near Bean Island. Fishing,swimming, boating in Policeman's Cove and Farwell Cove	New Sites. Monitor and remove plants as needed to prevent increased density and spread of milfoil. Return to previous conditions.
LSL Boat Ramp	None, occasionally a fragment will wash up on shore	None	High-Make sure it is clear for over 1500 boats to ente and egress	Approximately 2000 boat enter and leave this area from June to September. CBI Thur.-Sunday and holidays.	Monitor and get weekly reports of conditions. No infestation found.
LSL Lower Basin-Windham 10 sites LB 21-30	Variable milfoil mixed with natives	Moderate	Medium	Boating , water skiing, fishing, swimming	Improve current status and with continual regrooming the small plants the root systems will be depleted. Prevent spread and return to natural conditions is the goal.



#### 4. Management Strategy and Timeline by Site for 2019.

Project Strategy and Timeline – Order from high to low priority				
Site	Who	What activity	Needed resources	When
LSL Mumford Cove-Gray M31	Diver and Crew	Survey end of June, the suction , revisit every two to three weeks	Milfoil Team, Suction Dredge, onion bags, supplies related to operation, documentation	Beginning the end of June and continuing to revisit every two to three weeks until end of September or as needed.
LSL Beaver Cove-Gray M 32	Diver and Crew	Survey end of June, the suction , revisit every two to three weeks	Milfoil Team, Suction Dredge, onion bags, supplies related to operation, documentation	Beginning the end of June and continuing to revisit every two to three weeks until end of September or as needed.
LSL Upper Narrows-Gray Boat Traffic-5 sites UN 11-15	Diver and Crew	Survey end of June, the suction , revisit every two to three weeks	Milfoil Team, Suction Dredge, onion bags, supplies related to operation, documentation	Beginning the end of June and continuing to revisit every two to three weeks until end of September or as needed.
LSL Upper Basin-Gray 10 sites UB1-10	Diver and Crew	Survey end of June, the suction , revisit every two to three weeks	Milfoil Team, Suction Dredge, onion bags, supplies related to operation, documentation	Beginning the end of June and continuing to revisit every two to three weeks until end of September or as needed.
LSL Lower Basin-Windham 10 sites LB 21-30	Diver and Crew	Survey end of June, the suction , revisit every two to three weeks	Milfoil Team, Suction Dredge, onion bags, supplies related to operation, documentation	Beginning the end of June and continuing to revisit every two to three weeks until end of September or as needed.
LSL Bean Island M33 Farwell Cove Policeman Cove- Michael's Cove, Spider Island Gray	Diver and Crew	Survey end of June, the suction , revisit every two to three weeks	Milfoil Team, Suction Dredge, onion bags, supplies related to operation, documentation	Beginning the end of June and continuing to revisit every two to three weeks until end of September or as needed.
LSL Boat Ramp	Diver and Crew	Survey end of June, the suction , revisit every two to three weeks	Milfoil Team, Suction Dredge, onion bags, supplies related to operation, documentation	Beginning the end of June and continuing to revisit every two to three weeks until end of September or as needed. Only fragments have been reported. Surveyed west coast going north without any milfoil found. Believe they may be coming from Mumford Cove

5. Community Support: name of organization/town/individual	Task	Volunteers or paid staff	Equipment	Experience/Expertise
Town of Gray *Town of Windham **Leo Shanahan, former captain now a scout who reports when he finds milfoil while fishing or will respond when sightings of milfoil are reported.	*Transferred land on shoreline for operation purposes	Gray Supports us in the town budget  Windham supports us in the town budget		** Involved with milfoil removal on LSL since 2004

PART IV: INVASIVE AQUATIC PLANT MANAGEMENT PROGRAM FOR 2020:					
Project Activities for 2020. Indicate sites on map(s).					
Plant Location/Map and site	Aquatic Plant Inventory Mixed with natives, monoculture invasive	Plant Density <ul style="list-style-type: none"> <li>• Heavy</li> <li>• Moderate</li> <li>• Sparse mixed with natives</li> </ul>	Priority for removal: High, medium or Low	Uses affected – Boating, fishing, launches, swimming, campgrounds, Others	Desired Condition
LSL Upper Basin-Gray 10 sites UB1-10	Variable milfoil with mixed natives	Sparse mixed with natives	Medium	Areas used for boating, fishing and swimming. Lake flows from Upper Basin (north) to Lower Basin (south)	Re-groom until milfoil is gone. For now recheck and re-groom every two to three weeks.
LSL Upper Narrows-Gray Boat Traffic-5 sites UN 11-15	Variable milfoil mixed with natives	Sparse mixed with natives	High	High boat traffic going to and from the Upper basin to middle lake. Prime areas for fishing and swimming.	Re-groom until milfoil is gone. For now recheck and re-groom every two to three weeks.
LSL Beaver Cove-Gray M 32	Variable milfoil mixed with natives	Sparse mixed with natives	High	High due to fishing and boat traffic	Re-groom until milfoil is gone. For now recheck and re-groom every two to three weeks.
LSL Mumford Cove-Gray M31	Variable milfoil mixed with natives	Sparse mixed with natives	High	High due to fishing and boat traffic	Re-groom until milfoil is gone. For now recheck and re-groom every two to three weeks.
LSL Bean Island M33 Farwell Cove Policeman Cove-Gray Spider Island Michael's Cove	Variable milfoil	Sparse mixed with natives	Low	Some fishing near Bean Island. Fishing, swimming, boating in coves	New Sites Re-groom until milfoil is gone. For now recheck and re-groom every two to three weeks.
LSL Boat Ramp	None, occasionally a fragment will wash up on shore	No milfoil found Check each year	High	Check each year due to high volume of over 1500 boats with entry and egress	No milfoil exists at ramp
LSL Lower Basin-Windham 10 sites LB 21-30	Variable milfoil mixed with natives	Sparse mixed with natives	Medium	Boating , water skiing, fishing, swimming	Re-groom until milfoil is gone. For now recheck and re-groom every two to three weeks.

Management Strategy and Timeline by Site for 2020.				
Project Strategy and Timeline – Order from high to low priority				
Site	Who	What activity	Needed resources	When
LSL Upper Basin-Gray 10 sites UB1-10	Diver and Crew	Survey end of June, the suction , revisit every two to three weeks	Milfoil Team, Suction Dredge, onion bags, supplies related to operation, documentation	Beginning the end of June and continuing to revisit every two to three weeks until end of September or as needed.

LSL Upper Narrows-Gray Boat Traffic-5 sites UN 11-15	Diver and Crew	Survey end of June, the suction , revisit every two to three weeks	Milfoil Team, Suction Dredge, onion bags, supplies related to operation, documentation	Beginning the end of June and continuing to revisit every two to three weeks until end of September or as needed.
LSL Beaver Cove-Gray M 32	Diver and Crew	Survey end of June, the suction , revisit every two to three weeks	Milfoil Team, Suction Dredge, onion bags, supplies related to operation, documentation	Beginning the end of June and continuing to revisit every two to three weeks until end of September or as needed.
LSL Mumford Cove-Gray M31	Diver and Crew	Survey end of June, the suction , revisit every two to three weeks	Milfoil Team, Suction Dredge, onion bags, supplies related to operation, documentation	Beginning the end of June and continuing to revisit every two to three weeks until end of September or as needed.
LSL Bean Island M33 Farwell Cove Policeman Cove-Gray	Diver and Crew	Survey end of June, the suction , revisit every two to three weeks	Milfoil Team, Suction Dredge, onion bags, supplies related to operation, documentation	Beginning the end of June and continuing to revisit every two to three weeks until end of September or as needed.
LSL Boat Ramp	Diver and Crew	Survey end of June, revisit every two to three weeks	Milfoil Team, Suction Dredge, onion bags, supplies related to operation, documentation	Beginning the end of June and continuing to revisit every two to three weeks until end of September or as needed. Only fragments have been reported. Surveyed west coast going north without any milfoil found. Believe they may be coming from Mumford Cove
LSL Lower Basin-Windham 10 sites LB 21-30	Diver and Crew	Survey end of June, the suction , revisit every two to three weeks	Milfoil Team, Suction Dredge, onion bags, supplies related to operation, documentation	Beginning the end of June and continuing to revisit every two to three weeks until end of September or as needed.

**PART V: ESTIMATED COST INFORMATION**

**Table 1. Anticipated Expenditures:** Group together staff with identical duties and hourly rate.

			Column A	Column B	Column C
Expenditures (e.g. divers, coordinators, etc. Add lines as needed)	Total # Hours	Hourly Rate	Total Costs	Grant \$: Total covered by Grant	Cash Match= Columns A-B
Diver(s)	275	\$50.00	\$13,750.00	\$ 10,000.00	\$3750.00
Surface Support	250	\$15.00	\$ 3,750.00	\$	\$3750.00
Captain, Clerical	250	\$20.00	\$ 5,000.00	\$	\$5000.00
Payroll Taxes, Processing fees			2100.00		2100.00
Dredge Maintenance, Safety lift			8000.00		8000.00
Registrations, Permits			250.00		250.00
Insurance, Boat & W/C			2900.00		2900.00
Supplies, Gas			1600.00		1600.00
Outside Labor			400.00		400.00
Educational Awareness			2000.00		2000.00
			\$	\$	\$
Grand total expenditures			\$ 39,750.00	\$10,000.00	\$29,750.00

**Table 2. Volunteers:** Group volunteer duties by category (e.g., divers, coordinator, etc.).

Volunteer Categories	Number of Volunteers	Total Number of Hours
Divers		
Surface Support		
Other (describe)		
Coordinators	2	320
Survey/ Responder to milfoil reports	3	40
Total		360

**Table 3. Match Breakdown: Cash match, volunteer time, and donations of goods and service.**

This table is to totally account for all non-grant cash (e.g., cash match) and donated labor, materials, and services. None of this is from grant funds. List type of match by duty (diver, coordinator, etc.) and specify activity if "Other".

SOURCE OF LOCAL MATCH					TOTAL\$
		Column A	Column B	Column C	

Match description Donations of: Time Materials Cash	Match Source	Cash Match (Total should equal total Table 1 Column C)	Value of volunteer match = Total hours from Table 2 at \$22.53* per hour (divers \$50/hr.)	Value of Non- cash Donations (e.g. goods & services; charge mileage at \$0.44/mile)	Total Match Value: Add Columns A, B, & C totals to get match total
Diver(s)	LSLA	\$3750.00		\$	\$3750.00
Surface Support	LSLA	\$3750.00		\$	\$3750.00
Captain, Clerical	Town Windham Conditional upon Budget Approval	\$5000.00		\$	\$5000.00
Payroll Taxes, Processing fees	LSLA	2100.00			2100.00
Dredge Maintenance, Safety lift	Town of Gray Conditional upon Budget Approval	8000.00			8000.00
Registrations, Permits	LSLA	250.00			250.00
Insurance, Boat & W/C	LSLA	2900.00			2900.00
Supplies, Gas	LSLA	1600.00			1600.00
Outside Labor	LSLA	400.00			400.00
Educational Awareness	LSLA	2000.00			2000.00
Coordinators	LSLA		7209.60		7209.60
Survey and Respond	LSLA		897.20		1351.80
Total		29750.00	8106.80		37856.80

\*Source: [http://www.independentsector.org/volunteer\\_time](http://www.independentsector.org/volunteer_time)

**Table 4: Summary of Project Costs**

	Total Funds
Amount of grant requested: Total found in Table 1, Column B	\$ 10,000.00
Amount of cash match: Table 1 Column C or Table 3 Column A	\$ 29,750.00
In Kind value: Table 3 Columns B+C	\$ 8106.80
Total Project Cost	47856.80

