

MILFOIL MILITIA 2016 TALLIES AND REPORT Pam Wikinson

|       | Upper<br>Basin-Gray | Twin<br>Brooks<br>Gray | Beaver<br>Cove- Gray | Mumford Cove<br>Gray | Lower<br>Basin-<br>Windham | Bean<br>Island | Bag Totals | Amount<br>Spent | Volunteer<br>Time | Total      |
|-------|---------------------|------------------------|----------------------|----------------------|----------------------------|----------------|------------|-----------------|-------------------|------------|
| 2006  |                     |                        |                      |                      |                            |                | 1200       | 62,516.50       | 9,650.00          |            |
| 2007  | 271                 | 55                     | 91                   | 133                  | 710                        |                | 1260       | 67,296.36       | 9,255.00          | 76,551.36  |
| 2008  | 215                 | 62                     | 63                   | 97                   | 1332                       |                | 1769       | 55,651.90       | 9,260.00          | 64,911.90  |
| 2009  | 390                 | 58                     | 9                    | 296                  | 967                        |                | 1720       | 51,580.26       | 13,786.00         | 65,366.26  |
| 2010  | 187                 | 54                     | 2                    | 47                   | 1491                       |                | 1781       | 67,265.60       | 17,046.42         | 84,312.02  |
| 2011  | 178                 | 17                     | 7                    | 16                   | 500                        |                | 718        | 48,350.18       | 12,466.32         | 60,816.50  |
| 2012  | 86.5                | 50                     | 16                   | 20.5                 | 954                        | 3              | 1130       | 46,253.82       | 13300.68          | 59,554.50  |
| 2013  | 314.5               | 25.75                  | 49                   | 33.5                 | 760.75                     | 3              | 1186       | 51,507.84       | 13909.84          | 65,417.68  |
| 2014  | 180.25              | 54.5                   | 15                   | 28                   | 353                        |                | 631        | 43,926.33       | 13000.00          | 56,926.33  |
| 2015  | 93                  | 11                     | 50                   | 71                   | 164.5                      |                | 389        | 32,233.42       | 9246.00           | 41,479.42  |
| 2016  | 52.5                |                        | 23.5                 | 34                   | 126.5                      |                | 236.50     | 21,409.07       | 9037.60           | 30,446.67  |
| Total | 1967.75             | 387.25                 | 325.5                | 776                  | 7358.75                    | 6              | 12021.25   | 547991.30       | 129,957.86        | 677,949.10 |

Each bag equals approx. 20 pounds dry weight. To date approx. 120 tons removed over 11 year period.

### Little Sebago Lake Association Windham Variable Milfoil Report 2016

Our operation began surveying the last two weeks of June in the Upper Basin. All of our crew were trained in First Aid and CPR to enhance the safety of our team. In 2015 we initiated a two crew team to save money since we were not getting loads of milfoil to bag. Due to safety reasons this has reverted back to a three crew team. Instead to of a captain and crew on deck we had a captain and crew person with diver experience who would be able to assist the diver in the water should there be an emergency. Before operations began we had our crew meeting to go over protocols and discussed safety issues and how they would be addressed. Our full operation started the first of

July in Mumford Cove and Beaver Cove where growth had reoccurred to avoid boat traffic chewing up the plant and creating fragments. Then we targeted the Upper Basin extracting milfoil in areas that had mixed density with mostly small plants. The coves had small plants and spent time extracting them. This year the water was very dense and had lots of pollen so it made the plants hard to find and we revisited the areas several times due to clarity. After spending a couple of weeks in the Upper Basin most of our time is spent in the 10 identified spots in the Lower Basin. We mostly used only one suction dredge and only one team of workers since we did not have to have a crew continually working in the Upper Basin. We return to the coves and Upper Basin for re-check after three weeks. This helped to reduce the operational costs for this year. The plants are small and we are extracting only a few bags a day with the exception of a few beds. It certainly is a far cry from what we have been used to. We have responded to property owners request to look at their area for milfoil and have removed in one area and let the other know that it was natural vegetation.

Totals have drastically been reduced in the majority of the areas except the lower basin which requires most of our energy. Please review the milfoil chart above. The other areas need periodic re-grooming. After the spring conditions, the clarity of the lake was exceptional this year with the exception of the metaphyton that appeared in the upper basin and coves. This made it difficult to find the milfoil and may have cut out sunlight that stunted growth. We are monitoring the areas that the metaphyton occurred to check for next year. We will continue the same plans for 2017 hoping for further reduction on the milfoil. Hopefully by continually challenging and killing the root system it will give up!

If you have any questions please feel free to contact me; 207-428-3732 or [pwilkinson@littlesebagolake.com](mailto:pwilkinson@littlesebagolake.com)

LSLA Milfoil Director

Pam Wilkinson

## ***2017 Invasive Aquatic Plant Control Cost Share Notice, Maine DEP***

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.

***Note: Helpful instructions follow the application.***

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 (SSA) 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.
- Captain expenses directly related to the removal operation. The application must show how these roles are integral to the removal operation.
- Other expenses directly related to invasive aquatic plant removal.
- Up to \$500 of grant funding to help meet OSHA commercial diver standards referenced above.

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

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

Describe what the project seeks to accomplish in 2017. 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. Higher preference is given to projects that can provide longer than one-year planning; demonstrating how each year builds off the progress of previous work.

#### ***Community Support and Local Resources (20)***

Applicants must bring their own resources to the project in the form of cash or a combination of cash and in-kind support (volunteer services for coordination and plant removal or donations of goods and services). For the 2017 grant cycle, a 20% cash match is required for each grant proposal. Preference is given to 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)***

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

#### ***Plant Survey (10)***

Grant funds support only plant surveys needed to direct plant removal efforts or assess efficacy of removal. Applicants must have completed at least a Level 2 plant survey per the Volunteer Lake Monitoring Program's 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.

#### ***Track Record (20)***

DEP considers the applicant's performance under past cost share grants, if applicable, and local interest and efforts to control invasive aquatic plants when reviewing the current application.



### ***Training and Experience (15)***

Applicants with trained and experienced staff and volunteers are given additional consideration. Examples of training are attendance at VLMP plant patrol workshops, SCUBA certification or other fundraising or organizing experience that enhances efficiency of the work.

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

#### **Requirements:**

- 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.
- A tracking sheet detailing plant removal efforts must be submitted to LEA with the interim report. You do not need to submit tracking sheets for removal after the interim report but those late season tracking sheets should be used for compiling information required on the final report.
- 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 must be received at Lakes Environmental Association by **February 3, 2017**.
- Grant award decisions are made by **March 3, 2017**.
- Seventy-five percent of grant amount is paid soon after grant award.
- An interim report must be submitted to LEA by **August 4, 2017**.
- 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 **October 6, 2017**.

#### **To Apply**

The deadline for applications is **February 3, 2017**. As funds for eligible activities are limited, applications received by the deadline will be reviewed on a competitive basis. Applications received after the due date may be considered if funds remain after the review of those already received.

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

- ✓ Invasive Species Grant Application Form, Parts I - IV. **Instructions can be found following the application form.**
- ✓ Lake map showing infestations to be managed.

**Submit application to:** [mary@leamaine.org](mailto:mary@leamaine.org) or

Lakes Environmental Association  
230 Main Street  
Bridgton, ME 04009  
Attn: Plant control grants

**Electronic submission is strongly encouraged.** Contact Mary Jewett at (207) 647-8580 or [mary@leamaine.org](mailto:mary@leamaine.org) with questions.

If you need assistance please contact Denise Blanchette ([denise.l.blanchette@maine.gov](mailto:denise.l.blanchette@maine.gov)) or John McPhedran ([john.mcphedran@maine.gov](mailto:john.mcphedran@maine.gov)). DEP can also be reached at [milfoil@maine.gov](mailto:milfoil@maine.gov).

## Invasive Plant Management Grant Application

Submit by Pam Wilkinson to: [mary@leamaine.org](mailto:mary@leamaine.org) or:  
Lakes Environmental Association  
230 Main Street  
Bridgton, ME 04009  
Attn: Cost share projects

### PART I : APPLICANT INFORMATION

Organization: Little Sebago Lake Association

Address: PO Box 912, Windham

State Maine

Zip Code 04062

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

Phone ( 207 ) 428-3732

Contact Person Pam Wilkinson

Project Manager (if different) same

### 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)

☒ X State

☐ Municipal

☐ Private

☐ None

Number of Public Access Points 1

Total Acreage of Waterbody: 1903

CBI Coverage: ☐ X YES ☐ NO (if no why)

(If Yes)How long?10 yrs +

Name Inlets/outlets: Mt Hungar Shore Road Ramp, Windham

### PART III: INVASIVE AQUATIC PLANT MANAGEMENT PROGRAM 2017

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. YES NO N/A **X In Progress (explain)** Contacted Brian Sullivan on 1/30/17; waiting for a return call.

2. **Project Purpose and Summary (Longer than 1 year Planning)**

The purpose of this project is to continue to decline the amount of milfoil removed from Little Sebago Lake. Attached is a Milfoil Grid that demonstrates the positive affect we have had on removal of invasive milfoil over the past 11 years; it speaks for itself. It demonstrates the decline in the number of bags and what that is equal to each year. Over the past eleven years 120 tons of milfoil has been removed. Our planning has been more than a one year plan. Careful and tedious monitoring has proven over the years that our efforts have worked. Over the next few years we need to stay vigilant with the plant conquering every tiny hidden plant to avoid the dense beds we once had. I have spoken with Robert Hill from VLMP to provide a proposal for a full survey of the lake. It has been over 10 years since we have had a professional hired company to do the survey and provide the results in a professional and quantitative format. This will help us also identify areas that we have not been able to survey and document if there are other spots that may be brewing.

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.

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 make sure the task is working. They report if fragments wash up on shore. We have surveyed the boat ramp an surrounding areas and not found and plants.

Our operation will begin surveying with our team the last two weeks of June in the Upper Basin. Our full operation starts the first of July in Mumford Cove and Beaver Cove where growth had reoccurred. Then we 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 traffic area that needs targeting first. The coves will be next since there are a lot of fishing in those areas. After spending a couple of weeks in the Upper Basin we will move the operation to the Lower Basin. We are now focusing on the existing beds and will be checking last year's areas in the next week or so. We will return to the coves and Upper Basin for re-check after that. The plants are small and we are extracting only a few bags a day with the exception of a few beds. We will respond to property owners request to look at their area for milfoil and will remove as necessary. We will inform them to keep the natural vegetation in order to discourage invasive growth.

Milfoil update presentations are given for the towns of Windham and Gray at various times of the year informing constituents of the progress and encourage them to get involved. We have various forms of education starting with our annual meeting, developed a brochure to hand out at the boat ramp and from our Safety Patrol boat, FaceBook page and Website.

You will notice a lot of high end expenses this year. The decks of our boats need repair meaning removal of all equipment and replacing the floors on two of the Hippo's (suction dredges). We are planning on adding diver assisted equipment for the fleet and we are in need of a survey. Special consideration of our request is being sought in order for us to continue our long term planning.

## PART III: INVASIVE AQUATIC PLANT MANAGEMENT PROGRAM (CON'T)

All grants are required to have an Invasive Aquatic Plant Management Program for 2017. 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.

### 2. Summary of 2016 Plant 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 2016 season<br>Prompts to help in formulating response:<br>• Is IAP density heavy, moderate, sparse?<br>• Returned to natural conditions, i.e., no IAP visible?<br>• IAP knocked back significantly but still present?<br>• Slight reduction in IAP?<br>• No change in IAP density? | Did removal in 2016 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<br>Upper Basin-10 sites<br>Gray UB1-10   |   | 52.5 bags   | 210 acres                | IAP knocked back significantly but still present.<br>2015 104 bags removed, 2014 212 bags removed  | YES, coves, KC & RC showed increased growth   |
| LSL, Upper Narrows<br>5 sites –Gray<br>UN 11-15   |   | Include in Upper Basin calculations                                     | 20 acres                 |  | YES   |
| LSL Beaver Cove<br>Gray M32   |   | 23.5 bags   | 10,000 sq ft             | IAP knocked back significantly but still present.<br>2015 year 50 bags removed   | YES monitoring conditions   |
| LSL Mumford Cove<br>Gray M31  |   | 34 bags removed   | 10,000 sq ft             | IAP knocked back significantly but still present.<br>2015 66 bags removed, 2014 38 bags removed  | YES monitoring conditions   |
| LSL Bean Island M33<br>Policeman Cove Gray  |   | Surveyed, no invasive plants. Report in Policeman Cove but only natives | Individual spots         | Will survey one more year before declaring Bean Island clear of invasive milfoil. Continue to monitor Policeman cove   | YES   |
| LSL Boat Ramp<br>Windham  |   | Surveyed, no plants   |                          | Monitored for precaution   | YES   |
| LSL Lower Basin<br>10 sites –Windham<br>LB21-LB30   |   | 126.5 bags  | 335 acres                | IAP knocked back significantly but still present.<br>2015 151.5 bags removed, 2014 210 bags removed  | YES   |
|   |   |   |                          |  |   |

| <b>3. Project Activities</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<br>Mixed with natives,<br>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:<br>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<br>10 sites UB1-10   | Variable milfoil with mixed natives                                    | Sparse with mixed natives  | Medium<br>Removed milfoil early after assessment and regroom 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. Return to natural conditions is the goal.   |
| LSL Upper Narrows-Gray<br>Boat Traffic-5 sites<br>UN 11-15  | Variable milfoil mixed with natives                                    | Sparse with mixed natives  | High  | 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. Return to natural conditions is the goal.   |
| LSL Beaver Cove-Gray<br>M 32  | Variable milfoil mixed with natives                                    | Sparse with mixed natives  | High  | 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. Return to natural conditions is the goal.   |
| LSL Mumford Cove-Gray<br>M31  | Variable milfoil mixed with natives                                    | Moderate   | High  | Boating, highly fished area, swimming  | Improve current status and with continual regrooming the small plants the root systems will be depleted. Return to natural conditions is the goal.   |
| LSL Bean Island M33<br>Farwell Cove<br>Policeman Cove-Gray  | 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  | Monitor and remove plants as needed to prevent increased density   |
| LSL Boat Ramp   | None, occasionally a fragment will wash up on shore                    | None   | Medium  | 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<br>10 sites LB 21-30  | Variable milfoil mixed with natives                                    | Moderate   | High  | Boating , water skiing, fishing, swimming  | Improve current status and with continual regrooming the small plants the root systems will be depleted. Return to natural conditions is the goal.   |
|   |  |  |   |  |  |



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

##### Project Strategy and Timeline – Order from high to low priority

| Site   | Who   | What activity   | Needed resources  | When   |
|--|---|---|---|--|
| All Existing Beds                                    | Survey Team with Diver  | Survey-Utilize Hippo 1  | Suction dredge, Captain, Crew and Diver, onion bags, trailer to store milfoil, truck to haul to compost area, gas, supplies, and fleet maintenance. | Mid June to the first of July weather conditions permitting.                         |
| LSL Upper Basin-Gray 10 sites UB1-10                 | Captain, crew, Diver (crew person is usually a diver for safety purposes) | Utilize Hippo 1 for upper basin, upper narrows and Beaver Cove for survey, suction removal of variable milfoil    | Suction dredge, Captain, Crew and Diver, onion bags, trailer to store milfoil, truck to haul to compost area, gas, supplies, and fleet maintenance. | First two weeks of July, return and monitor every two to three weeks until September |
| LSL Upper Narrows-Gray Boat Traffic-5 sites UN 11-15 | Captain, crew, Diver (crew person is usually a diver for safety purposes) | Utilize Hippo 1 for upper basin, upper narrows and Beaver Cove for survey, suction removal of variable milfoil    | Suction dredge, Captain, Crew and Diver, onion bags, trailer to store milfoil, truck to haul to compost area, gas, supplies, and fleet maintenance. | First two weeks of July, return and monitor every two to three weeks until September |
| LSL Beaver Cove-Gray M 32                            | Captain, crew, Diver (crew person is usually a diver for safety puposes)  | Utilize Hippo 1 for upper basin, upper narrows and Beaver Cove for survey, suction removal of variable milfoil    | Suction dredge, Captain, Crew and Diver, onion bags, trailer to store milfoil, truck to haul to compost area, gas, supplies, and fleet maintenance. | First two weeks of July, return and monitor every two to three weeks until September |
| LSL Mumford Cove-Gray M31                            | Captain, crew, Diver (crew person is usually a diver for safety purposes) | Utilize Hippo 2 for Mumford Cove, Lower Basin and Middle lake areas for survey and suction removal.               | Suction dredge, Captain, Crew and Diver, onion bags, trailer to store milfoil, truck to haul to compost area, gas, supplies, and fleet maintenance. | First two weeks of July, return and monitor every two to three weeks until September |
| LSL Bean Island M33 Farwell Cove Policeman Cove-Gray | Captain, crew, Diver (crew person is usually a diver for safety purposes) | Utilize Hippo 2 for Mumford Cove, Lower Basin and Middle lake areas for survey, hand pull and/or suction removal. | Suction dredge, Captain, Crew and Diver, onion bags, trailer to store milfoil, truck to haul to compost area, gas, supplies, and fleet maintenance. | First two weeks of July, return and monitor every two to three weeks until September |
| LSL Boat Ramp  | Survey Team may or may not be with diver                                  | Survey and hand removal if necessary  | Suction dredge, Captain, Crew and Diver, onion bags, trailer to store milfoil, truck to haul to compost area, gas, supplies, and fleet maintenance. | Monitor and return when reports are given  |
| LSL Lower Basin-Windham 10 sites LB 21-30            | Captain, crew, Diver (crew person is usually a diver for safety purposes) | Utilize Hippo 2 for Mumford Cove, Lower Basin and Middle lake areas for survey and suction removal                | Suction dredge, Captain, Crew and Diver, onion bags, trailer to store milfoil, truck to haul to compost area, gas, supplies, and fleet maintenance. | First two weeks of July, return and monitor every two to three weeks until September |
| Various reporting by shoreland owners                | Survey Team may or may not be with diver                                  | Survey and hand removal if necessary.   | Suction dredge, Captain, Crew and Diver, onion bags, trailer to store milfoil, truck to haul to compost area, gas, supplies, and fleet maintenance. | Monitor and return when reports are given  |

| 5.Community Support: name of organization/town/individual | Task   | Volunteers or paid staff                           | Equipment                                      | Experience/Expertise   |
|---|--|--|--|--|
| Little Sebago Lake Association                            | Director and Management Team<br>Fleet Management<br>3 Divers | 2 unpaid volunteers<br>2 unpaid volunteers<br>Paid | Docks, Truck, Trailer<br>Docks, Truck, Trailer | 15 years management<br><br>Requirement IPP Training, VLMP diver training, Scuba certifications, mandatory pre-season meeting and mid-season meeting for protocols, safety and hiring requirements, First Aid and CPR training. |
| St. Joseph College  | Dispose of milfoil for composting                            | 1 volunteer, 1 paid person                         | Truck and trailer                              |  |

# PART IV: ESTIMATED COST INFORMATION

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

|   |                  |             | Column A    | Column B                               | Column C                   |
|---|------------------|-------------|-------------|--|----------------------------|
| Expenditures<br>(e.g. divers,<br>coordinators, etc.<br>Add lines as<br>needed | Total #<br>Hours | Hourly Rate | Total Costs | Grant \$: Total<br>covered by<br>Grant | Cash Match=<br>Columns A-B |
| Diver/Crew-<br>Certified Diver for<br>safety                                  | 600              | \$25.00     | 15000.00    | \$ 8000.00                             | \$ 7000.00                 |
| Captain/Scheduler   | 450              | \$15.00     | \$ 6750.00  | \$                                     | \$6750.00                  |
| Survey  |                  |             | 8000.00     |  | 8000.00                    |
| Registration  | 260.00           |             | 260.00      |  | 260.00                     |
| Insurance   | 3537.00          |             | 3537.00     |  | 3537.00                    |
| Workers Comp  | 600.00           |             | 600.00      |  | 600.00                     |
| Employer Fica   | 1200.00          |             | 1600.00     |  | 1600.00                    |
| Payroll Fee   | 400.00           |             | 400.00      |  | 400.00                     |
| Supplies  | 1500.00          |             | 1500.00     |  | 1500.00                    |
| Maintenance   | 8000.00          |             | 8000.00     |  | 8000.00                    |
| Storage   | 1400.00          |             | 1400.00     |  | 1400.00                    |
| Outside Labor   | 200.00           |             | 200.00      |  | 200.00                     |
| Gas   | 800.00           |             | 800.00      |  | 800.00                     |
| Educational<br>Material   | 2500.00          |             | 2500.00     |  | 2500.00                    |
| Fundraising   | 800.00           |             | 800.00      |  | 800.00                     |
| training  | 500.00           |             | 500.00      |  | 500.00                     |
| OSHA<br>equipment   |                  |             | 3500.00     |  | 3500.00                    |
|   |                  |             | \$          | \$                                     | \$                         |
| Grand total expenditures  |                  |             | \$55347.00  | \$8000.00                              | \$47347.00                 |

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

| Volunteer Categories                 | Number of Volunteers | Total Number of Hours |
|--------------------------------------|----------------------|-----------------------|
| Director Upper Basin                 | 1                    | 225                   |
| Lower Basin Supervisor               | 1                    | 175                   |
| Responder to survey reported milfoil | 1                    | 30                    |
| Surface support/fragment control     | 2                    | 30                    |
|                                      |                      |                       |
| Total                                |                      | 505                   |



**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\$  |
|---|--------------|--|--|--|--|
| Match description<br>Donations of:<br>Time<br>Materials<br>Cash | Match Source | Column A<br>Cash Match (Total should equal total Table 1 Column C) | Column B<br>Value of volunteer match = Total hours from Table 2 at \$21.31* per hour (divers \$50/hr.) | Column C<br>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/Crew-certified diver for safety                           | LSLA         | 7000.00  |  |  | 7000.00  |
| Captain/Scheduler   | LSLA         | 6750.00  |  |  | 6750.00  |
| OSHA equip Training   | LSLA         | 4000.00  |  |  | 4000.00  |
| Survey  | Town Windham | 8000.00  |  |  | 8000.00  |
| Registration  | LSLA         | 260.00   |  |  | 260.00   |
| Insurance   | LSLA         | 3537.00  |  |  | 3537.00  |
| Worker Comp   | LSLA         | 600.00   |  |  | 600.00   |
| Employer FICA   | LSLA         | 1600.00  |  |  | 1600.00  |
| Payroll Fees  | LSLA         | 400.00   |  |  | 400.00   |
| Supplies  | LSLA         | 1500.00  |  |  | 1500.00  |
| Maintenance   | Town Gray    | 8000.00  |  |  | 8000.00  |
| Storage   | LSLA         | 1400.00  |  |  | 1400.00  |
| Outside Labor   | LSLA         | 400.00   |  |  | 400.00   |
| Gas   | LSLA         | 800.00   |  |  | 800.00   |
| Educational Material  | LSLA         | 2500.00  |  |  | 2500.00  |
| Fundraising   | LSLA         | 800.00   |  |  | 800.00   |
|   |              |  | 10761.55   |  |  |
| Total   |              | 47347.00   | 10,761.55  |  | 58108.55   |

\*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 | \$8000.00   |
| Amount of cash match: Table 1 Column C or Table 3 Column A  | \$47347.00  |
| In Kind value: Table 3 Columns B+C                          | \$10761.55  |
| Total Project Cost  | 66,108.55   |

## INSTRUCTIONS FOR COMPLETING THE APPLICATION

The instructions and sample application in the right column will guide you through **the application that starts on page 3**. *The Maine Citizens' Guide to Invasive Aquatic Plant Management* (<http://www.mainevlmp.org/citizensguide/>) provides additional guidance in developing tasks required below in Part III.

### PART I:

#### Applicant Information

Enter information in each box. Please add project manager if different than grant contact person.

### PART II:

#### Waterbody Information

Enter information in each box. Lake Maps included response is yes/no. For lake information go to <http://www.lakesofmaine.org/>  
For state-sponsored and assisted public boat access sites go to [http://www.maine.gov/dacf/parks/water\\_activities/boating/public\\_boat\\_launches/index.shtml](http://www.maine.gov/dacf/parks/water_activities/boating/public_boat_launches/index.shtml)

### Part III: Invasive Aquatic Plant Management Program 2017

Outline project plans for 2017 clearly, including objectives of control, timeline for activities, and evaluation of results.

**1. Project Purpose and Summary:** Briefly summarize project objectives and planned implementation.

Why is this project important for the lake and community? How is the local community involved? What do you want to accomplish? How will you measure success?

#### 2. Summary of 2016 Plant Removal

Summarize invasive plant control work in 2016 and what was successful. Insert information from the Summary of 2016 Plant Removal table in your 2016 Final Report.

### PART I : APPLICANT INFORMATION

Organization:

Address:

State

Zip Code

Email:

Phone (   )

Contact Person

Project Manager (if different)

### PART II: WATERBODY INFORMATION

Waterbody Name:

Midas #

Lake Maps Included:

Invasive Plant:

Town(s) containing shoreline

Public Access (check all that apply)

☐

State

☐

Municipal

☐

Private

☐

None

Number of Public Access Points

Surface Area (in acres) of Waterbody:

CBI Program: ☐ YES ☐ NO (if no why)

(If Yes)How long?

### PART III: INVASIVE AQUATIC PLANT MANAGEMENT PROGRAM 2016

All grants are required to outline their Invasive Aquatic Plant Management Program for 2017. Contact Maine DEP with any questions you have or if you need assistance in developing a plan.

#### 1. Project Purpose and Summary

#### 2. Summary of 2016 Plant Removal

| Site name or number:                       | Benthic Barrier S:  | Manual removal (includes DASH) |          | Observed condition of site at end of 2015 season   | Did removal in 2015 meet the objective   |
|--|---------------------|--------------------------------|----------|--|--|
| Backwaters C and F (Burlap and Wood Coves) | 180 ft <sup>2</sup> | 10 bags                        | 10 acres | These two sites have been a struggle for our crew for a long time now. They showed more regrowth than other areas, and we never seem to be able to bring this area to the same managed level as the rest of the river. I think the root of this problem is that a milfoil I had previously IDed as native was proved to be VLM after a DEP tour and could be a source of the VLM spreading here. | No- we saw quite a bit of regrowth. Also, a milfoil I thought native was native is actually VLM, and has patches here. |
|  |                     |                                |          |  |  |



### 3. Project sites, conditions and goals for 2017

- A. **Current Condition** for each site: Information should include the location of the invasive plant targeted and indication of its density and presence of native plants; this comes from previous surveys and maps. If you lack a formal map at this point, DEP staff will discuss options for producing one. Maps are the starting point for your work and helps document your progress.

**Aquatic plant inventory:**

Knowing whether the dominant species at a site is invasive or native will help select techniques to use. Indicate if native plants are within infested area and to what extent.

**Plant Density:** Provide your observation.

**Priority/Value:** List if the site is high, moderate or low priority for control based on uses affected, potential for spread if uncontrolled, and feasibility of success.

**Uses Affected:** Indicate affected use(s) at each infested site and if the use is of high, medium or low value.

- B. **Desired Condition (Goal):** The desired outcome for each infested site. Select the appropriate qualitative measure(s) of effectiveness and/or measurable outcome(s) on the form relating to plant density, spread risk and uses.

| 3. 2017 Project Activities  |   |  |   |   |  |
|---|---|--|---|---|--|
| A. Current Condition (for each site, similar sites can be listed together) Provide maps from surveys. |   |  |   |   | B. Desired Condition   |
| Plant Location<br>Map and site  | Aquatic Plant Inventory<br>Mixed with natives, monoculture invasive | Plant Density<br>Heavy<br>Moderate<br>Sparse | Priority /Value<br>(High, medium or Low | Uses Affected<br>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> |
| Back Cove Map1, Site 1  | All Invasive milfoil  | Heavy  | High                                    | Boat ramp. Lots of fragments on launch and take out                       | Prevent spread in and out of lake. Keep boat traffic clear.  |
| Front Cove Map 2, Site 3  | All invasive milfoil  | moderate                                     | medium                                  | Fishing and swimming  | Maintain Current Status  |
|   |   |  |   |   |  |

#### 4. Management Program and Timeline

Choose the combination of control efforts that best meets the needs with the least environmental impacts. Also identify-how the work will be accomplished. *Control methods are described in the "Maine Citizens' Guide to Invasive Aquatic Plant Management" Section IV Chapter 8.*

Indicate the following:

**Site:** Where will you be working? Be specific and refer to maps.

**Who:** Person(s) responsible for doing the work.

**What activities:** The task to be completed: is it hand pulling, DASH work or other?

**Needed Resources:** Identify materials, staff or other resources and level of effort needed to do the activity. Example: number of volunteers, dive time, surface support, boat, trucks, disposal, etc.

**When:** Cite the projected start and projected finish of each activity. When during the season should work on specific sites occur?

Timing of work needs to balance the priority of sites, methods and costs, resources available and habitat needs of non-target species, and may vary to respond to changing conditions (weather, water level, personnel availability).

#### 5. Community Support

**Volunteers-** non-paid help

**Staff** – paid organization personnel

**Equipment-** boats, rakes, gear, etc.

**Expertise/Experience** – training such as IPP (Invasive Plant Patrollers), VLMP diver training, SCUBA certifications, and mapping.

**Other Interested Organizations:** Are there other collaborators, e.g., do you work with the local town to dispose of plants? Are there are groups that help survey?

#### Part IV: Estimated Project Costs

The Itemized Budget provides the detailed costs for the project. A 20% Cash match is required for 2017 grants. Complete the table and contact LEA if you have questions.

#### EXAMPLE: Management Program and Timeline

| Management Program & Timeline                          |                          |                                    |  |      |
|--|--------------------------|------------------------------------|--|------|
| Project Strategy and Timeline – Highest priority first |                          |                                    |  |      |
| Site   | Who                      | What Activity                      | Needed Resources   | When |
| Back Cove Map 1, Site 3                                | DASH Team<br><br>Captain | Clear VLM at ramp for boat traffic | 4 DASH staff – 3 days 20 hours, 2 volunteers 20 hours, DASH Boat, 25 bags, truck for hauling removed plants. | 5/15 |
| Front Cove, Map 2, Site 2                              | Association manager      | Placing benthic barriers           | Contracted Divers- 4hrs, (2) 10 X 10 Barriers. Boat  | 6/10 |
|  |                          |                                    |  |      |

#### Monitoring

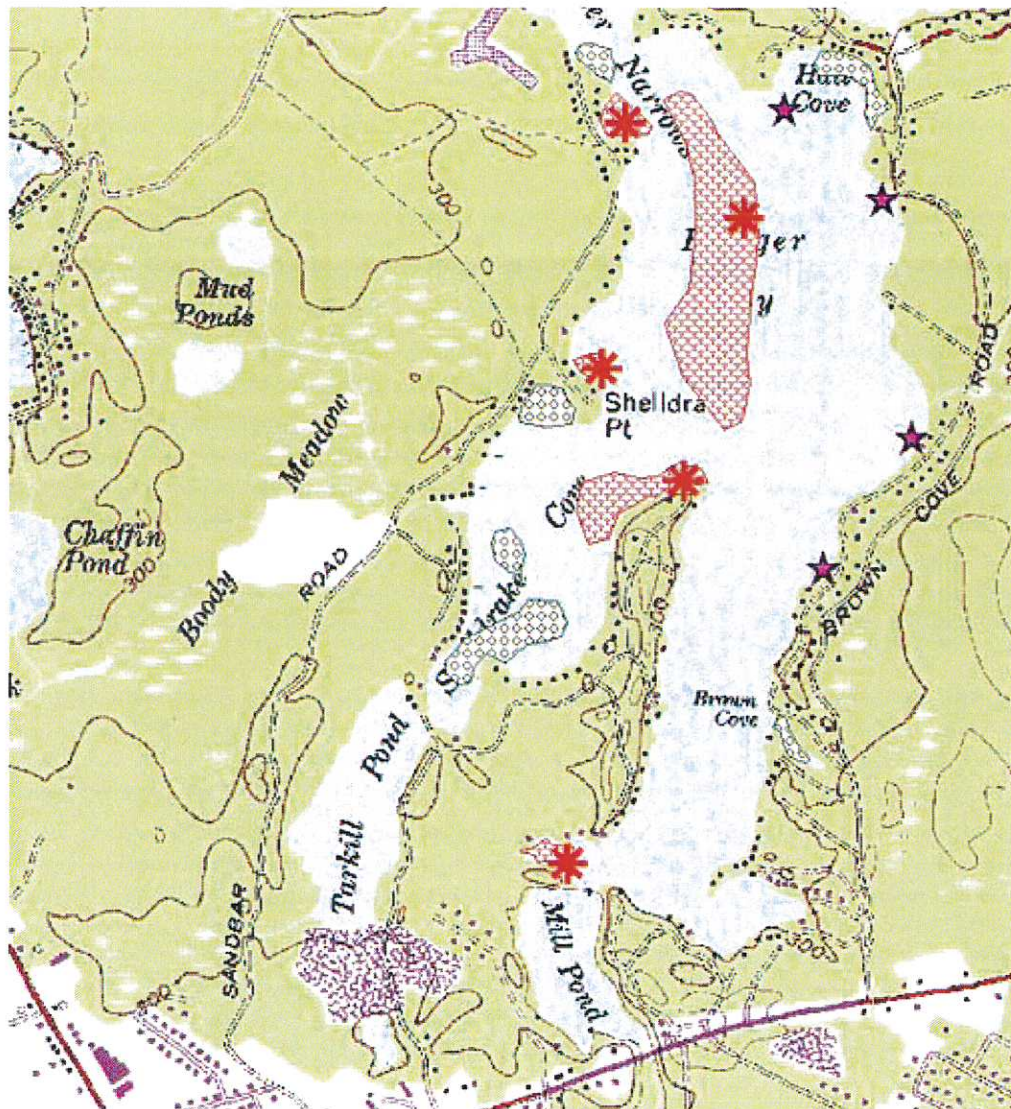
Assessing managed sites for plant density and efficacy of removal efforts is required. You will document this in the final report.

All projects should be monitored to document how much was done, location, project effectiveness and considerations for continued actions or justification of further expenditures.

| 5. Community Support (name of organization) Contact Information | Task              | Volunteers or Staff | Equipment  | Expertise/ Experience |
|---|-------------------|---------------------|------------|-----------------------|
| Lake Association volunteers                                     |                   | 5 IPP's             | Kayaks     | Captain's license     |
| Town of Plenty  | Dispose of plants |                     | Dump Truck |                       |
| Lake Association staff  | Scheduling        | 1 staff             |            |                       |



## LOWER BASIN LITTLE SEBAGO LAKE



Individual plants



High Density Areas

Approximate Extent

Red areas: Common

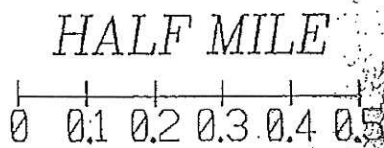
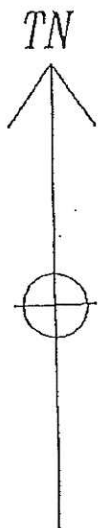
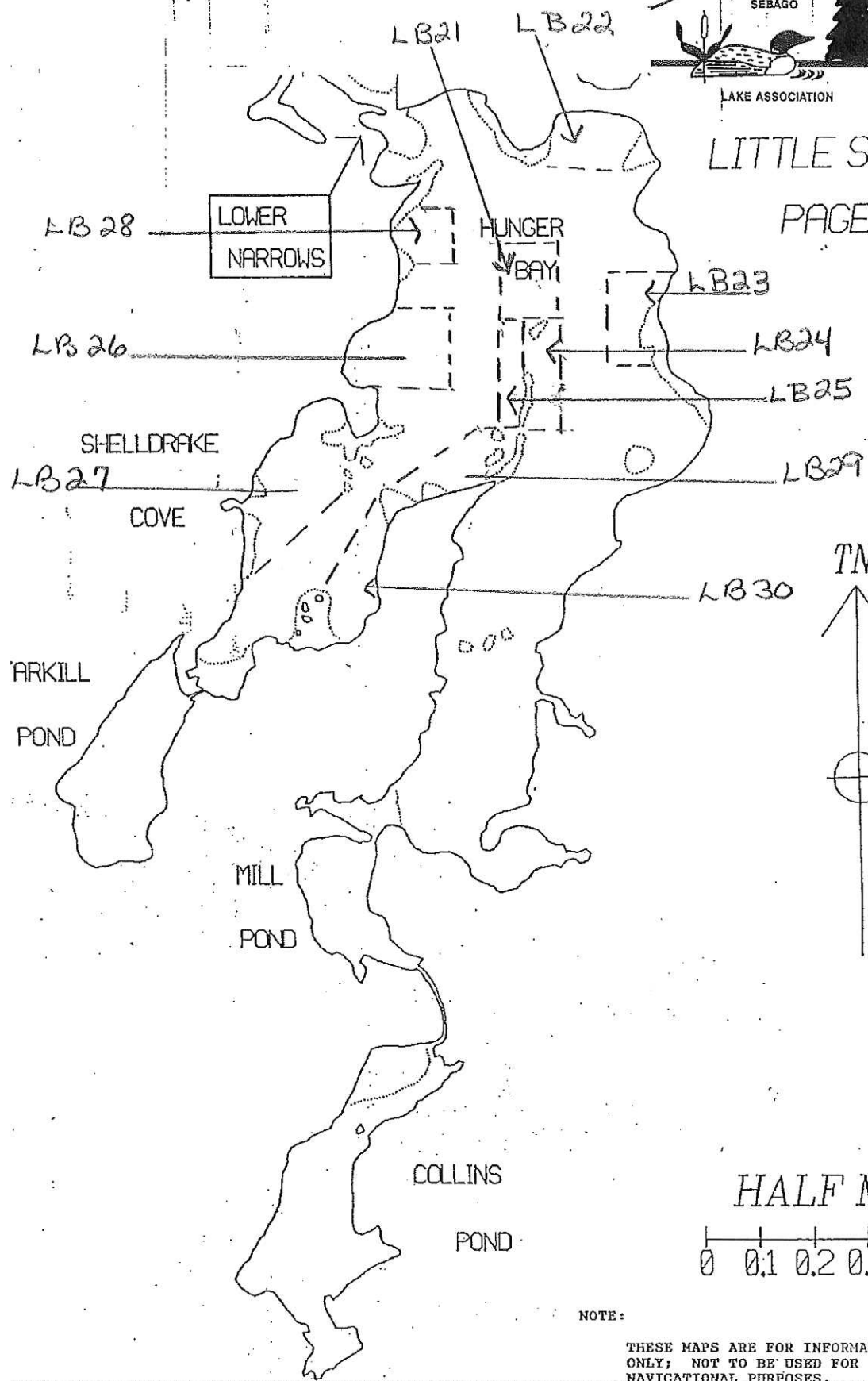
Green areas: occasional





# LITTLE SEBAGO

PAGE 1



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



LITTLE SEBAGO

PAGE 2

M 33

BEAN  
ISLAND

m 31

LYON  
POINT

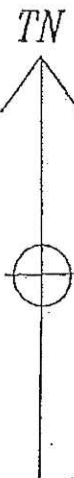
MARTIN  
ISLAND

TREASURE  
ISLAND

CROW  
ISLAND

HORSE  
ISLAND

HALL  
POINT

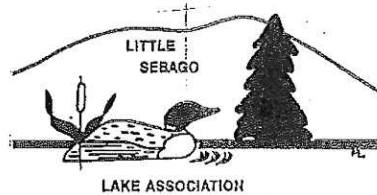


NOTE:

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INFORMATION ONLY:  
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NAVIGATIONAL PURPOSES.

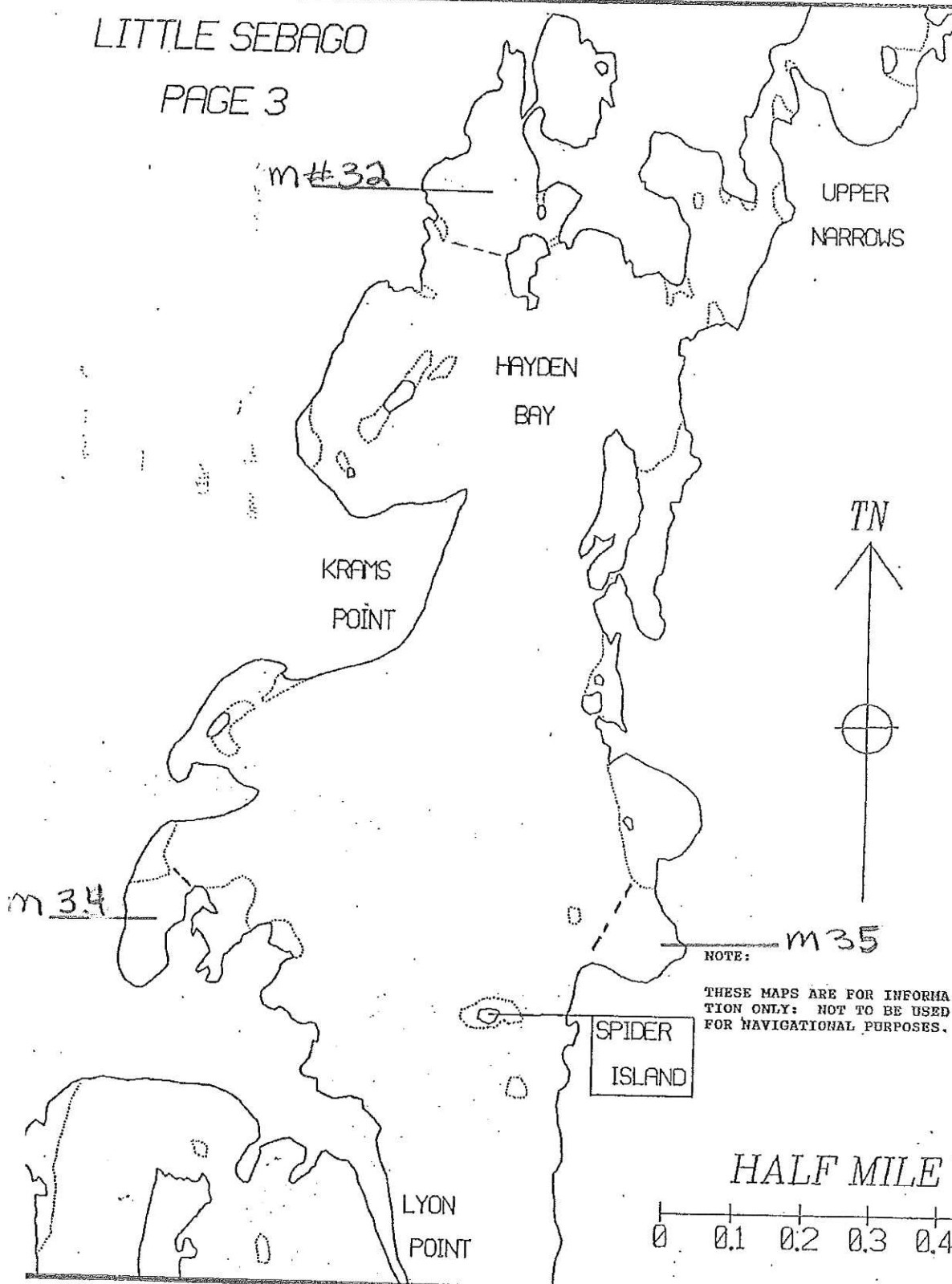
HALF MILE

0 0.1 0.2 0.3 0.4 0.5



# LITTLE SEBAGO

PAGE 3



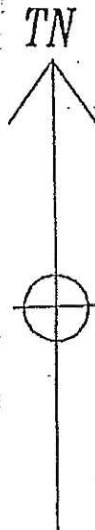
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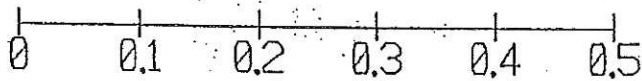


# LITTLE SEBAGO

PAGE 4



HALF MILE



NOTE:

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