

Agenda - Eagle Lake milfoil eradication planning

December 15, 2005

10:30am – 12:30pm

Warrensburg DEC Office

- I. Introductions
- II. Milfoil on Eagle Lake
 - a. Late 70's to 2005- 25 years of growth history in 10 minutes
 1. " Summarized in attached document "*History of milfoil late 70s to 2005*"
- III. Hand Harvesting of milfoil – Summer 2005
 - a. Our experience
- IV. Review of this meeting's goals (as highlighted in the November 21 email meeting invitation).
- V. The plan to "get it done"
 - a. Places to treat
 - b. Treatment methods
 1. Spot treatment
 2. Curtain containment
- VI. Open dialogue about our goals and our "get it done" plan
- VII. Our course of action
 - a. The mechanics
 1. Coordination and integration of agency requirements.
 2. Plotting a course of regulatory strategies to move "a project" for Eagle Lake forward. (i.e. moving forward with permits and approval)
 - b. The politics
 1. What parameters and impediments need to be addressed?
- VIII. Open dialogue about our course of action
- IX. Next step(s)
- X. Agreements/ commitments /obligations/ and summation of the meeting.
- XI. Meeting adjournment

History of milfoil late 70s to 2005

The following list describes the activities that the Eagle Lake Property Owner's have participated in from the late 1970' to 2005.

It was prepared by Rolf Tiedemann and was submitted to the NYS Invasives Species Task Force as part of the background requirements to this activity.

1. What success story has your organization had involving aquatic invasives? What have been the failures?

We have a supportive and active property owner's organization that has been in existence since 1907 to monitor and protect the water quality of Eagle Lake. (E.L.)

- Officially identified Eurasian Water Milfoil in Eagle Lake, late 1970's.
- Collaborated with the LGA to brainstorm control methods that lead to the establishment of COLAM.
- Worked with COLAM on the registration of the herbicide SONAR.
- Completed a Town funded study of the plant diversity and Milfoil distribution on E.L.
- Selected by SePro and COLAM as a demonstration site for the first application of Sonar in NYS and as a whole lake treatment inside the Blue Line.
- Sought and received several small Member Item and DOS grants to cover some of the costs associated with the permitting of the demonstration project.
- Completed a site-specific environmental impact study on the various control methods available at the time, including the application of Sonar. Sonar was considered at the time to be the most cost effective and environmental friendly approach.
- Completed an on-site septic system survey of over 80% of the E.L. septic systems and found none failing or contributing nutrients to the lake.
- Solicited E.L. property owners to see what their willingness to help pay for the implementation of Sonar would be. Received pledges in the \$10,000 - \$15,000 dollar range.
- Sought and received some funding, (as matching funds from other sources), as a Member Item for the implementation portion of a Sonar project.
- Eagle Lake was listed on a federally sponsored Waterfront Revitalization and Development Act (WRDA), co-authored by Congressman Sweeney, providing funding for the Army Corps of Engineers to study the Milfoil problem in E.L.
- Attended various local and national conferences to further our knowledge and to seek help with Milfoil and its control.
- Have established an open dialog between various local, state and national leaders.
- Participated in several ARC meetings, sponsored by NYS DEC, APA, NYS DOS, and several other interested parties, addressing the issues of invasives in the Adirondacks, early 2001 - 2002.
- Held annual ELPOI membership meetings and published membership newsletters to share the efforts of the ELPOI in the control of Milfoil and other activities.

report w/ on ELPOI's website

- Coordinated the visit by the Army Corps of Engineers to survey Eagle Lake for Milfoil and completed the follow-up.
- Provided samples of Milfoil to Bob Johnson at Cornell University, for study and subsequent finding of Acentria Moths.
- We are ongoing participants in the CSLAP water-testing program.
- Have completed self-supported water testing of E.L. water for over 30 years.
- Completed a whole lake GPS survey and mapping of the distribution of milfoil in E.L. in 2003.
- Rolf Tiedemann was asked by the APA to be on the Steering Committee for the development of APIPP.
- Have participated in the NYS Invasives species task force panel discussions.
- Have been active in the early and on going reviews of the Adirondack Invasives species document.
- 2005 Hand harvest/ non-jurisdictional permit application to APA is obtained and first hand harvesting is attempted.

While all of the above items are considered by the members of ELPOI to be great successes they are all wrought with failure as none of them worked to remove any Milfoil from the waters of Eagle Lake.

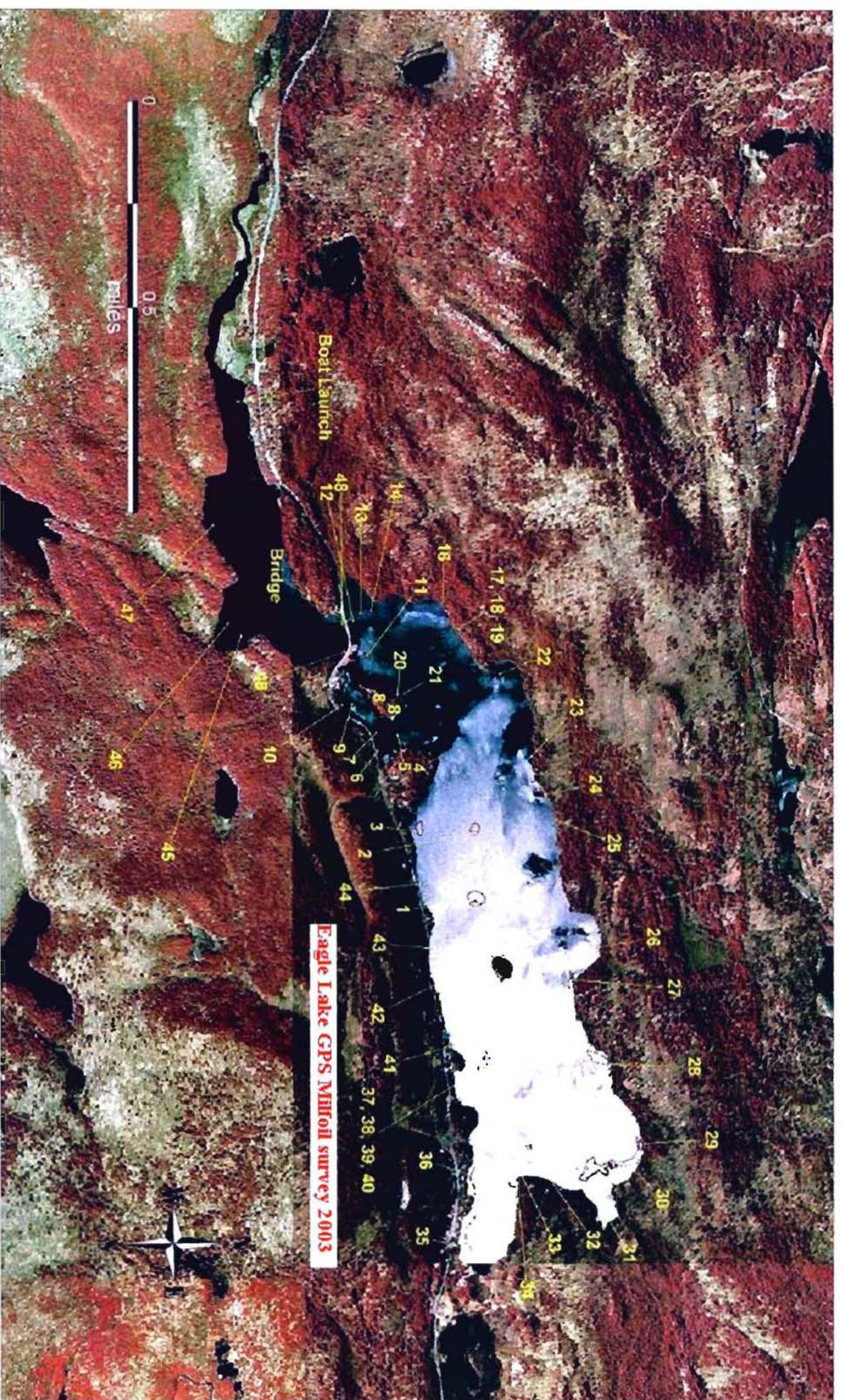
- The application of Sonar, while it is used outside the blue line, is NOT permitted inside without possible excess restrictions and extra costs.
- The selection of E.L as a demonstration site never came to pass as a result of a lack of funding and Sonar was subsequently successfully used in other parts of the state.
- The DOS funding that was associated with our septic system testing was lost due to not being able to spend it on its original purpose.
- The Army Corps of Engineers visit produced a report that indicated that Eagle Lake was not fit for their mission, but that milfoil was an issue for the lake.
- The dialog between ELPOI and others has shown great concern on everyone's part but no one has the ability to step up and provide the needed control funding or the specific ability to say "Do-It".
- An application to the APA by the Lake George Association for the use of Sonar was denied after great expenses of time and money, disillusioning the ELPOI from trying its own application for the same. The ELPOI has since decided to try to pursue the less effective and more costly method of hand harvesting to control some of the milfoil patches in Eagle Lake.

Goals – Eagle Lake milfoil eradication planning

December 15, 2005

I have several goals for us at the meeting and all though I have stated them in my attached letter I am restating them here because I believe need to focus on them. They are:

- To seek approval and consensus that the herbicide Sonar should be used to treat large dense beds of milfoil in Eagle Lake.
- That hand harvesting, by both individual homeowners and divers, of isolated plants and the matting of minimally sized dense beds be continued as funds permit.
- That a herbicide treatment of Eagle Lake would be judged and evaluated using the same criteria that is used to judge any other lake in NYS.
- That any proposed permit application/process be kept as streamlined as possible to maximize timeliness and cost effectiveness of the intended treatment reducing the likeliness of Eagle Lake continuing to be a breeding ground for the further spread of Milfoil to other lakes.
- To demonstrate that we are all committed to the good stewardship of Adirondack Lakes and that we can work together through the process, methods and funding to start a cost effective eradication process of milfoil in Eagle Lake.
- To find additional sources of matching funds, or to find a way to leverage funds from the eradication grant without matching requirements, beyond private land/home owner donations, so that future work for eradication/ maintenance can be planned and completed. I believe our state, private and any currently proposed eradication matching funds that we can match will run out before the milfoil does.



Eagle Lake GPS Milfoil survey 2003

0 0.5 miles

Boat Launch
Bridge



EAGLE LAKE GPS MILFOIL SURVEY SUMMER 2003

Sorted By Patch Number

		Data Gathered	
		Summer of 2003	
Patch Name	Patch Number	Patch Size (in Acres)	Patch Size (in Square Feet)
East End of the Lake			
Sunken Island	1	0.70807	30843.52920
Middle of Lake 2	2	0.27620	12031.27200
Comer of Herd Point along 74	3	0.27340	11909.30400
Herd Point	4	0.07709	3358.04040
Between Fox Island and Burrough's	5	0.05131	2235.06360
Along 74 by Bouroughs	6	0.03708	1615.20480
Along 74 across from Fox Island	7	0.10630	4630.42800
Along Fox Island South Side	8	0.65090	28353.20400
Between Fox Island, 74 and Zankales	9	0.02064	899.07840
Zankales	10	0.12120	5279.47200
Along 74 by Cabins	11	0.13240	5767.34400
Causeway	12	0.03529	1537.36308
Between Causeway and Causeway Cove	13	0.66354	28903.80240
Causeway Cove	14	0.10510	4578.15600
Along Shoreline from 74 to Aldens	15	0.00230	100.00000
Along Shoreline from 74 to Aldens	16	0.00230	100.00000
Along Shoreline from 74 to Aldens	17	0.00230	100.00000
Along Shoreline from 74 to Aldens	18	0.00230	100.00000
Along Shoreline from 74 to Aldens	19	0.00230	100.00000
Along North Shore of Fox Island	20	0.00230	100.00000
Along North Shore of Fox Island	21	0.00230	100.00000
Ore Bed Bay	22	0.00369	160.70000
In Front of Barwigs	23	0.00230	100.00000
Between Barwig's and Emerich's	24	0.16860	7344.21600
In Front of Emerich	25	0.00230	100.00000
Between Tiedemann's and Patterson's	26	0.00230	100.00000
In Front of Anne Patterson's	27	0.10940	4765.46400
Bewtween Knauss's and Steven's	28	0.59230	25800.58800
In Front of Janie Steven's Boathouse	29	0.17640	7683.98400
In Front of Beach	30	0.66530	28980.46800
Across Crown Point Bay	31	1.27700	55626.12000
Harris Point	32	0.04566	1988.94960
Harris Point 2	33	0.00230	100.00000
Harris Boathouse	34	0.12120	5279.47200
Ti Bay	35	0.24480	10663.48800
Ti Bay 2	36	0.36020	15690.31200
Turtle Island	37	0.00230	100.00000
Turtle Island 2	38	0.02542	1107.29520
Turtle Island 3	39	0.01228	534.91680
Turtle Island 4	40	0.00230	100.00000
Kral	41	0.09641	4199.61960
Charles Island	42	0.00230	100.00000
Charles Island	43	0.00230	100.00000
Clarence Waters	44	0.01450	631.62000

West End Of The Lake		Size in Acres	Size in Square Feet
Ruck's	45	0.1142	4974.55200
Ruck's	46	0.14070	6128.89200
Martin's	47	0.42830	18656.74800
Forest Level	48	0.05932	2583.97920
Along the Causeway	49	0.08653	3769.24680

East End	Total East End	7.20612	313898.47508
West End	Total West End	0.82905	36113.41800
	Total	8.03517	350011.89308

Lake Area		Size in Acres	Size in Square Feet
East End Lake Surface Area		340.00	14810400.00
West End Lake Surface Area		75.81	3302283.60
Fox Island Surface Area		2.51	109204.92
Charles Island Surface Area		1.43	62377.92
Turtle Island Surface Area		0.11	4835.16
	Total East End	335.95	14633982.00
	Total West End	75.81	3302283.60
	Total	411.76	17936265.60
1 acre is equal to 43560 square feet			

INFORMATION GATHERED BY MICHAEL TIEDERMAN