

Foster's Pond Corporation Annual Meeting

April 12, 2010

- Please sign in and get a name tag.
- Join the Corporation: Dues are tax-deductible: \$25/ individual, \$40/family, \$100 sustaining.
- Make an Additional Donation: \$250 Is the Suggested Amount.
- Sign up to volunteer. Be sure we have your e-mail address so you can get news about Foster's Pond.

Image MassGIS, Commonwealth of Massachusetts EOEA

© 2006 Sanborn

© 2006 Navteq

© 2006 Google

Pointer 42°36'26.15" N 71°08'07.95" W elev 79 ft

Streaming ||||| 100%

Eye alt 5326 ft



Meeting Agenda

- Sign-In/Introductions
- Adoption of Minutes
- President's Report
- Election of Officers
- Weed Report
- Dam Report
- Roads Committee Report
- Treasurer's & Fundraising Report
- New Business



President's Report

- FPC's Purposes
- Integrated Lake Management Program '09
- Dam Maintenance '09-'10
- Weeds '09



Foster's Pond Corporation Purposes

The purpose of the corporation is to engage in the following activities: to **preserve, protect and enhance the waters and the environment of Foster's Pond**, a Great Pond located in the Town of Andover; to promote the conservation, protection, and wise management of natural resources, including land and water resources, and the prevention of environmental pollution in the Foster's Pond watershed; to establish and promote programs of public information, education and scientific research relating to the preservation and protection of the natural environment in the vicinity of Foster's Pond; to encourage similar efforts by other organizations, individuals, public agencies, and public officials; to **own, operate, repair and maintain the dam** regulating the flow of water from Foster's Pond, for the general benefit, improvement and beautification of the Pond and its environment; to **acquire, hold, and manage land or rights in land for conservation purposes and to encourage and assist other organizations and public agencies to do the same within the Foster's Pond watershed**; to promote and protect a safe and congenial living and recreational environment for residents and the general public; to **encourage responsible public use of the Pond's recreational resources**; and to engage in related charitable, educational and scientific activities not inconsistent with requirements applicable to non-profit corporations organized under Massachusetts General Laws Chapter 180 and to exempt organizations under Section 501(c)(3) of the Internal Revenue Code.

Foster's Pond Corporation Purposes

- Preserve and protect Foster's Pond and its environment
- Repair and maintain the dam
- Encourage responsible public use of the Pond
- Acquire conservation land and encourage the Town and other organizations to do so



Integrated Lake Management Program

- Controlling Invasive Weeds
- Hydro-Raking
- Nutrient Management
- Prevent Re-Introduction of Invasives
- Winter Drawdowns

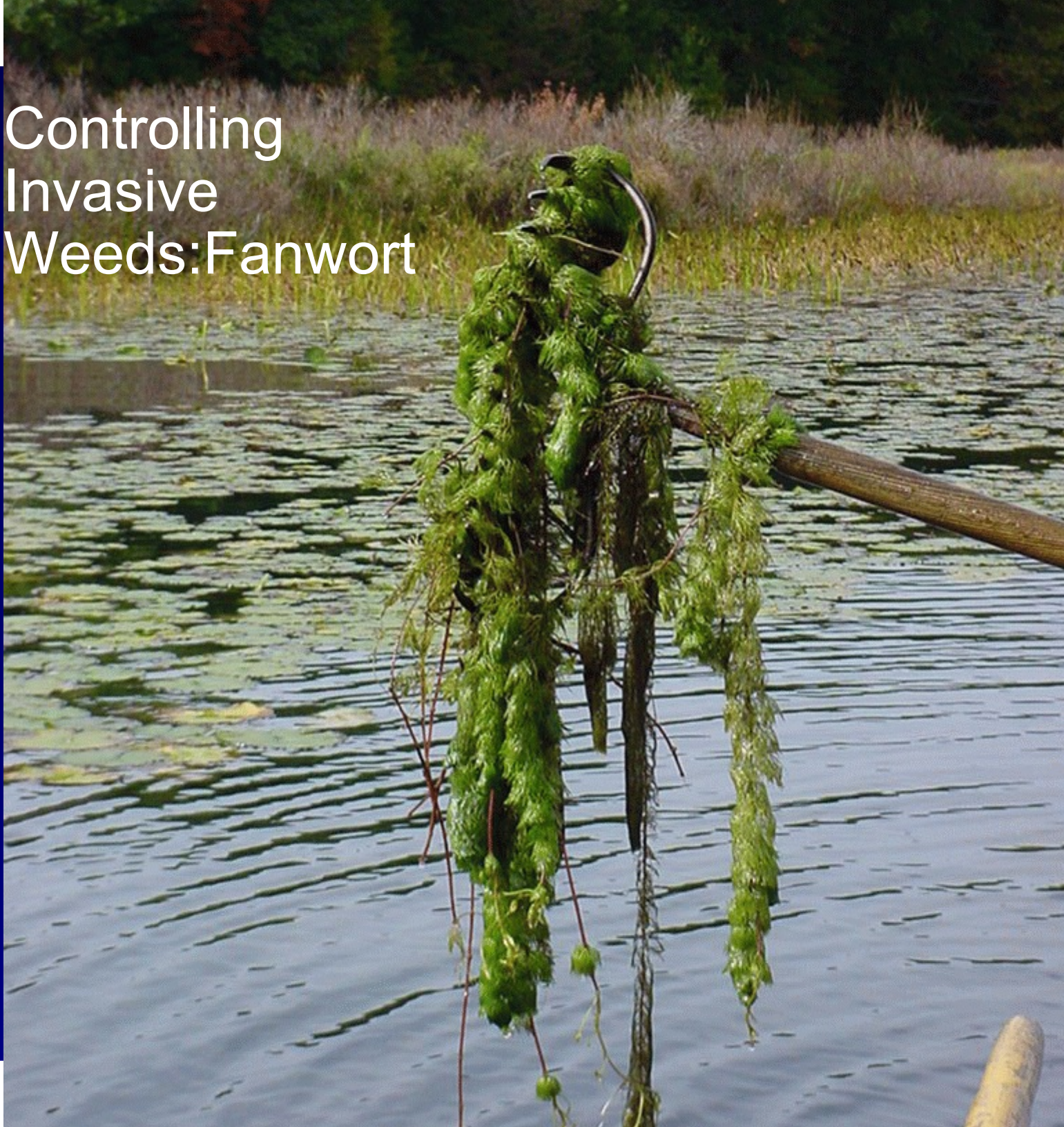


Integrated Lake Management Program

Conservation Commission Extends Order of Conditions

- OOC now expires January 4, 2013
- Amended to allow herbicidal treatments for fanwort and spiny naiad
- Continues to authorize all aspects of our lake management program, including hydro-raking and winter drawdowns
- Continues to authorize maintenance work on the dam.
- Continues to designate FPC as responsible for implementing the program.

Controlling Invasive Weeds: Fanwort



FOSTER'S POND
Andover, MA

FIGURE 3
Dominant Vegetation
Assemblages (2004)

Survey Date: 8/16/04
Map Date: 9/20/04

LEGEND:

-  Common to abundant fanwort
lesser amounts of bladderwort
and coontail
-  Common to abundant fanwort lesser
amounts of pondweeds, bladderwort
and water marigold
-  Common to abundant fanwort and
waterlilies lesser amounts of
bladderwort and coontail
-  Abundant waterlilies
-  No significant vegetation cover

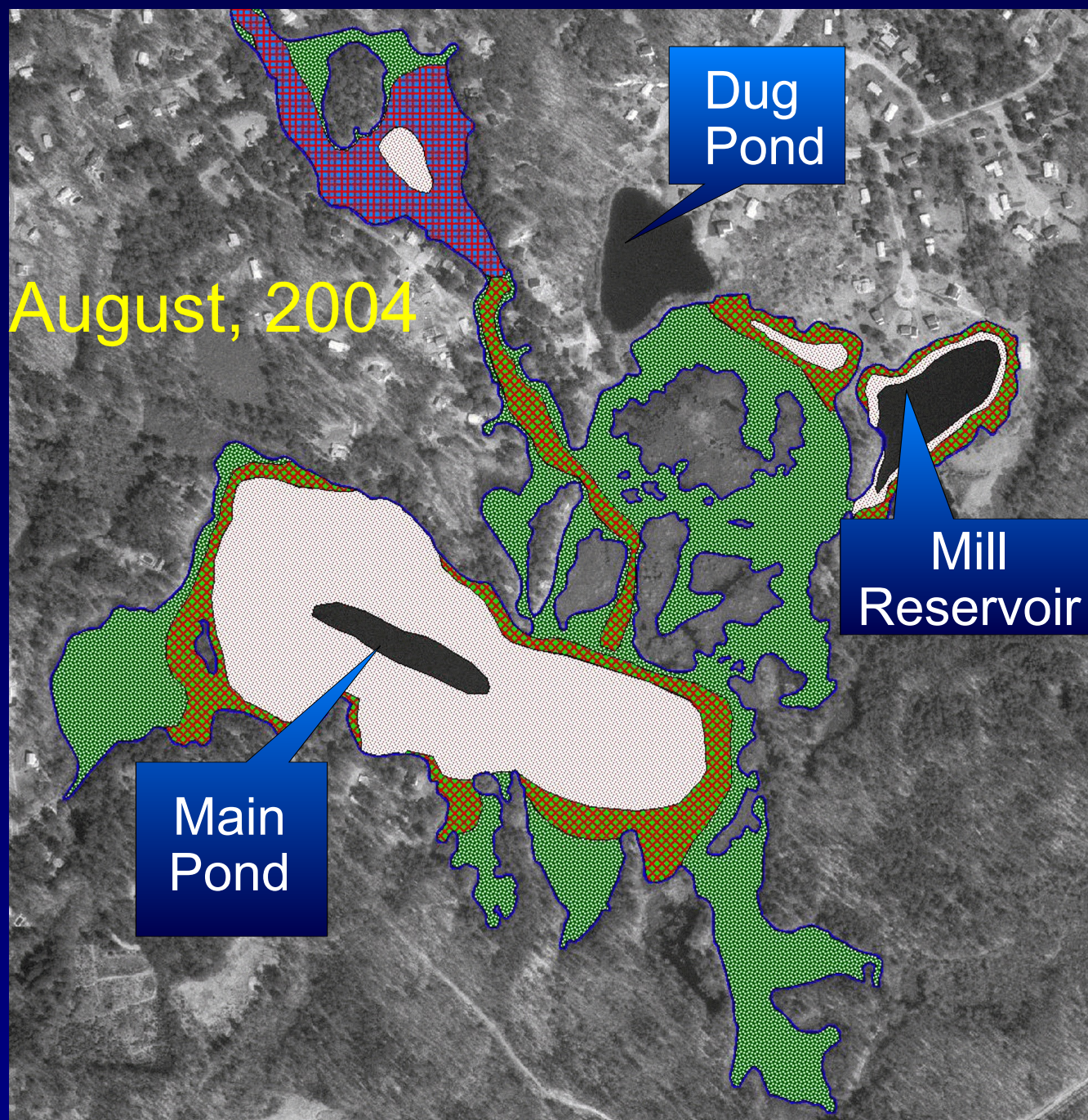


300 0 300 600 Feet

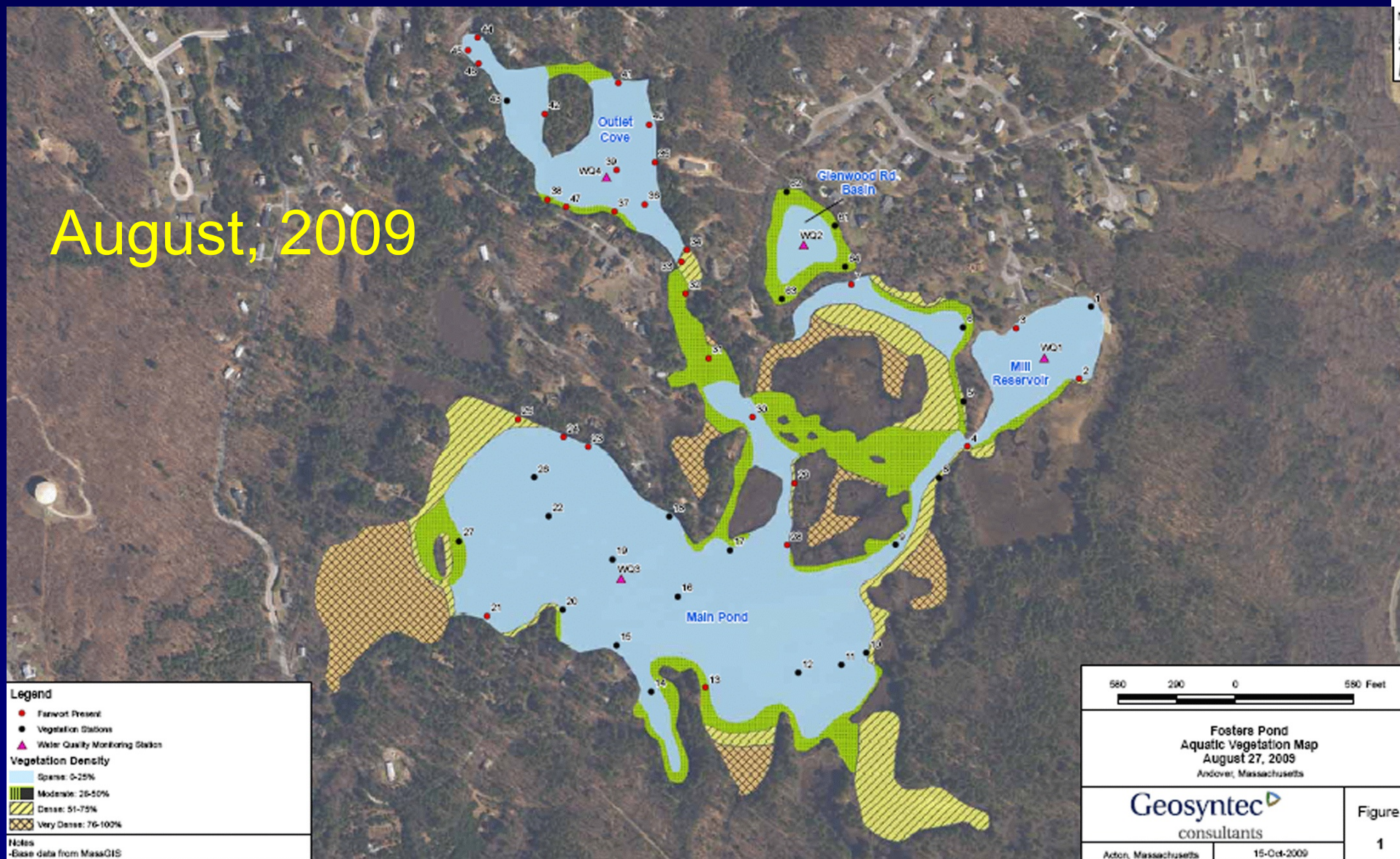


AQUATIC CONTROL TECHNOLOGY, INC.

11 John Road
Sutton, MA 01590
508-865-1000 Tel.
508-865-1220 Fax
www.aquaticcontroltech.com



August, 2009



New in '09: Spiny Naiad



Integrated Lake Management Program

Hydro-Raking

- Removes lilies and muck
- Spoils are deposited on shore, limiting areas where it can be done
- Expense borne by shorefront property owners
- 8 shorelines (20 hours) raked in 2009



Integrated Lake Management Program

Nutrient Management

- Rooted plants like fanwort draw nutrients from bottom sediments, so can't be controlled by nutrient management
- Nutrient management can have huge effect on algae
- Key nutrient to control is phosphorous



Integrated Lake Management Program

Nutrient Management

- Don't use fertilizers (or use pond-friendly fertilizers)
- Use 0-phosphate dishwashing machine detergent (TJ's, Ecover, 7th Generation)
- Put up goose fencing along shoreline
- Go to FPC web site for details:
www.fosterspond.com



Integrated Lake Management Program



STOP AQUATIC HITCHHIKERS!™

Prevent Re-Introduction of Invasives

Prevent the transport of nuisance species.
Clean all recreational equipment.

www.ProtectYourWaters.net

When you leave a body of water:

- Remove any visible mud, plants, fish or animals before transporting equipment.
- Eliminate water from equipment before transporting.
- Clean and dry anything that comes into contact with water (boats, trailers, equipment, clothing, dogs, etc.).
- Never release plants, fish or animals into a body of water unless they came out of that body of water.



Integrated Lake Management Program

Winter Drawdowns



Integrated Lake Management Program

Winter Drawdowns

- Expose weed roots to freezing
- Reduce risk of “overtopping” in Spring
- Allow maintenance work on dam
- Maximum: 18" below lip of spillway
- Drawdown: November 1 to mid-December
- Normal Refill: April to late-May (not this year)
- 2009-10 drawdown was our 5th

Dam Maintenance and Improvements



May 14, 2006



Photo: Frances Y J Wheeler







March 9, 2010



March 15, 2010









March 15, 2010



The Year Ahead

- Confronting Spiny Naiad
- Significant Repairs to the Dam
- Repaving Foster's Pond and Pomeroy Roads
- Possible Land Acquisitions

Election of Officers & Directors



Election of Officers

- Nominated for re-election for 2010:
 - ▶ President: Steve Cotton
 - ▶ Vice-President: Lynne Whitefield
 - ▶ Treasurer: Dave Brown
 - ▶ Secretary: Janet Kenney

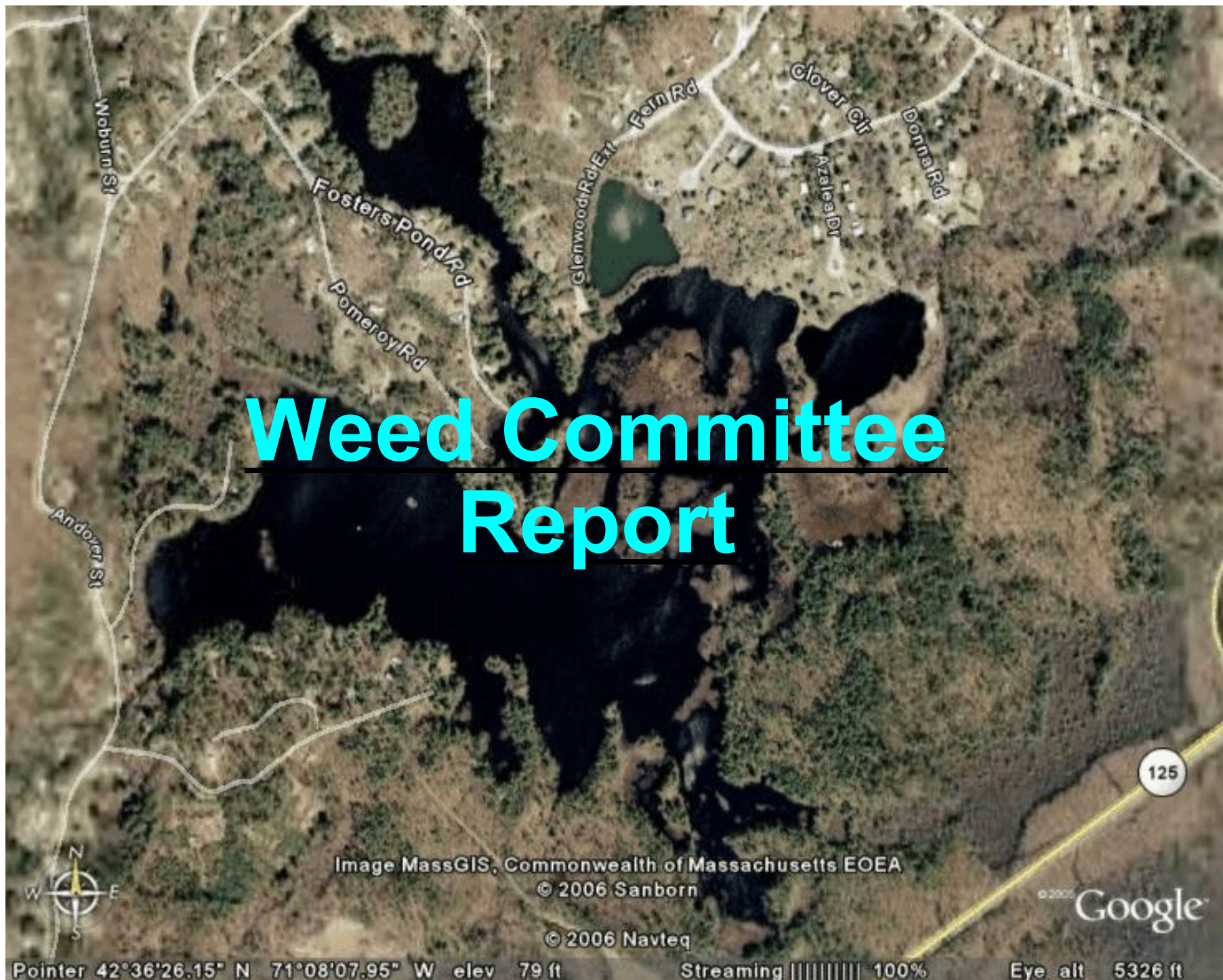


Election of Directors

- Nominated for two-year terms ending December 31, 2011:
 - ▶ Amy Janovsky
 - ▶ Marty Rabinowitz



Weed Committee Report



Integrated Lake Management Program

Cost of Herbicide Use

- 2005 Whole-Lake Treatment: \$42,500
- 2006 Dug Pond Treatment: \$5,750
- 2007 Partial-Lake Treatment: \$16,150
- 2008 No Treatment
- 2009 No Treatment





2009 Foster's Pond Aquatic Vegetation Survey and Water Quality Monitoring Report

OCTOBER 15, 2009



Prepared For:



Foster's Pond Corporation

Prepared By:

Geosyntec
consultants
engineers | scientists | innovators

289 Great Road
Acton, MA 01720
(978) 263-9588
www.Geosyntec.com



Weed Committee Report

2009 Survey Findings

- Whole lake weed assessment conducted 8/27/09 (our 4th comprehensive survey)
- Fanwort covered 1/9th the area it covered in 2004, before our only whole-lake treatment
- Fanwort found at 27 locations, but at <5% density at most of them
- Pond has richer variety of *native* plants than in 2004 (30 species vs. 18 in '04)
- Spiny naiad (*Najas minor*) detected for 1st time - in Main Pond & the Channel



Weed Committee Report

Recommended 2010 Program

- No Sonar treatment in 2010 for fanwort - spot treatment impractical and whole-lake treatment not warranted
- Spot treat Spiny Naiad with contact herbicide Reward (diquat) in 2010
- Evaluate scope of 2010 treatment and spread of fanwort, plan for whole-lake Sonar treatment in 2011
- Preliminary 2010 Treatment cost: \$4,500

Marc Bellaud
Senior Biologist
Aquatic Control Technology, Inc.



Dam Report









Geotechnical
Environmental
Water Resources
Ecological

April 6, 2010
Project 06463-1

Mr. Stephen E. Cotton
Foster's Pond Corporation
19 Pomeroy Road
Andover, MA 01810

Dear: Mr. Cotton:

**Re: Site Visit Observations and Preliminary Recommendations
Fosters Pond Dam, NID # MA00153
Andover, Massachusetts**

This letter report describes our site visit observations of Fosters Pond Dam located in Andover, Massachusetts made on April 2, 2010. We also provide preliminary recommendations based on these observations. The site visit was conducted on May 8, 2008 by R. Lee Wooten, P.E., of GEI Consultants, Inc. of Woburn, Massachusetts.

Fosters Pond Dam is classified as an intermediate size, significant (Class II) hazard potential dam. The hazard potential rating is significant because of the presence of Rattlesnake Hill Road immediately below the dam. Rattlesnake Hill Road is a lightly travelled, two-lane suburban neighborhood road.

We conducted the site visit at your request because of your observations of degradation to the dam following the recent heavy rain events which occurred prior to and during the week of March 28, 2010. We previously conducted a Phase I inspection of the dam on November 10, 2006 and a follow-up inspection on May 8, 2008 documenting maintenance that the Foster's Pond Corporation conducted. We found that the dam was in Poor condition at the time of the 2006 Phase I inspection and in Satisfactory condition on May 8, 2008.

Observations and Evaluations

April 2, 2010 Site Visit by Lee Wooten

We observed the following conditions or deficiencies of concern during our April 2, 2010 site visit. The attached site plan (Figure 1) shows the dam layout and the location of the referenced photos.

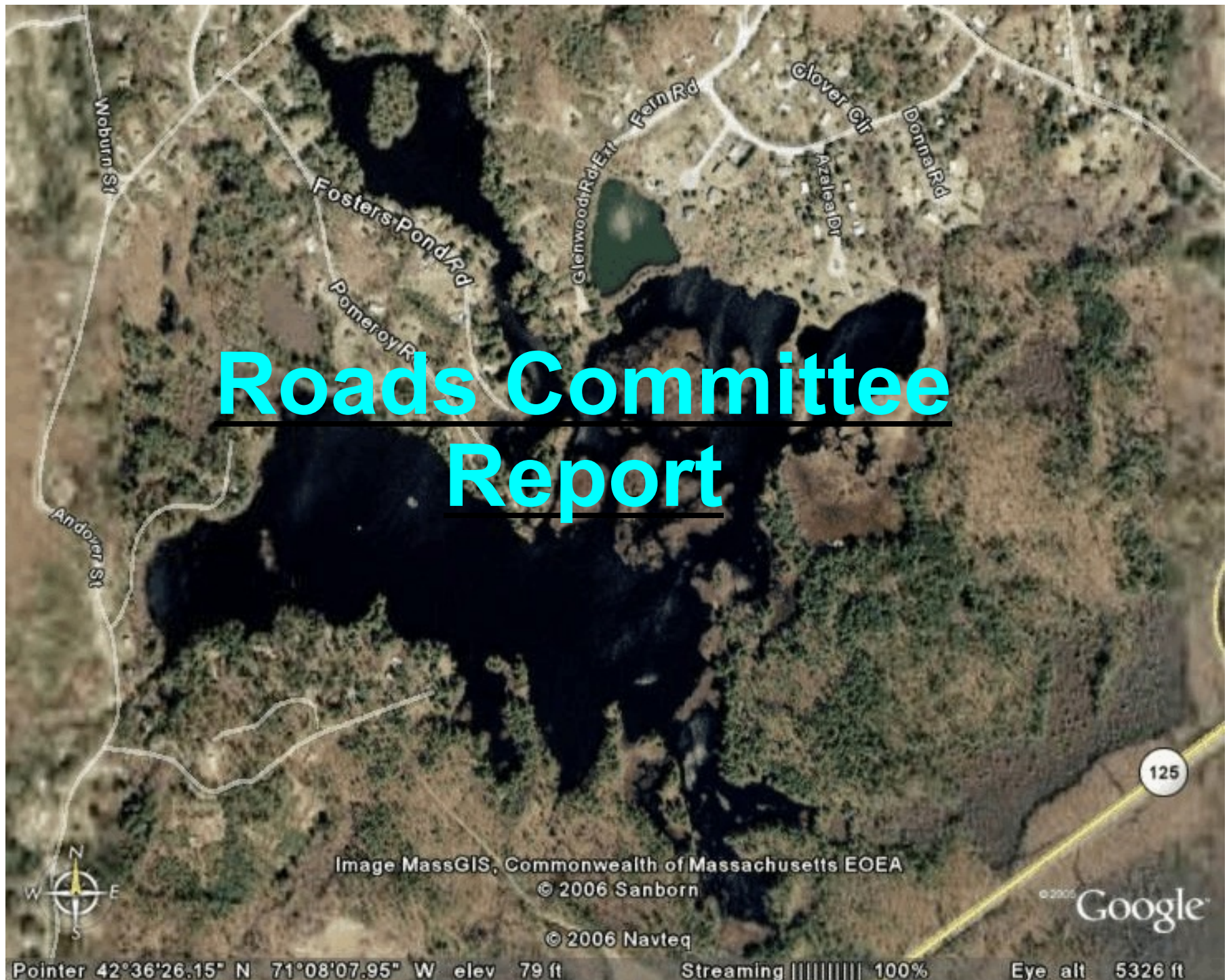
- Seepage was flowing at the base of the downstream unmortared masonry wall below and to the southwest or left (for an observer facing downstream) of the main spillway (see Photos 1 and 2). We had observed flow in this area during our previous site visits. The observed flow rate was several gallons per minute. You noted that this flow rate had increased following each of the recent rain events.

www.geiconsultants.com

GEI Consultants, Inc.
400 Unicorn Park Drive, Woburn, MA 01801
781.721.4000 fax: 781.721.4073



Roads Committee Report



Road Committee Report





Treasurer's & Fundraising Committee Reports

Image MassGIS, Commonwealth of Massachusetts EOE
© 2006 Sanborn

© 2006 Navteq

© 2006 Google

Pointer 42°36'26.15" N 71°08'07.95" W elev 79 ft

Streaming ||||| 100%

Eye alt 5326 ft

Treasurer's Report



Foster's Pond Corporation

www.fosterspond.com
c/o David Brown, Treasurer
31 Glenwood Road
Andover, Ma 01810

TREASURER'S REPORT

For Fiscal Year ended December 31, 2009

Assets

Checking Account balance 12/31/09	\$4,812.80
Money Market Account balance 12/31/09	33,096.36
Accounts receivable: NFG contributions	40.00
Undeposited Funds	0.00

Total Assets 12/31/09	\$37,949.16
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Total Assets 12/31/08	\$27,577.22
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Net change in Assets for year ending 12/31/09	+\$10,371.94
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Liabilities

Prepaid dues & contributions for 2010	\$0.00
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Net income for year ending 12/31/09	\$10,661.94
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Income

Dues Income	\$3,158.10
-------------	------------

12 Individual memberships
29 Family memberships
17 Sustaining memberships

Contributions	
36 Individuals & families	\$7,145.00

Grants	
Boston Foundation (for dam maintenance)	3,000.00

Interest Income	333.17
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Total Income	\$13,636.27
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Expenses

Dam Maintenance	\$ 216.00
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Weed Control (Geosyntec Consultants)	2,000.00
--------------------------------------	----------

General Administration	758.33
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Total Expenses	\$2,974.33
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Net Income	\$10,661.94
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Respectfully Submitted,

David Brown
Treasurer



Treasurer's Report

Balance Sheet

	Dec 31, 2009	Dec 31, 2008
ASSETS		
Checking	\$37909	\$26872
Accts Receivable	40	390
Undep. Funds		315
Total	\$37949	\$27577
LIABILITIES		
Prepaid dues		290
Opening Bal	\$1469	\$1469
Retained Earnings	\$25819	\$11756
Net income	\$10662	\$14073
Total Liab. & Equity	\$37949	\$27577

Treasurer's Report

Profit & Loss - 2009

	Dam	General	Pond	Weed	TOTAL
INCOME					
Dues		\$3158			\$3158
Int		\$333			\$333
Pond Contr			\$7145		\$7145
Dam Contr	\$3000				\$3000
TOTAL INC					\$13636
EXPENSES					
Printing		3			3
Postage/Mail		\$383			\$383
Materials	\$66				\$66
Prop Mntnce	150				\$150
Corp Fees		\$50			\$50
Prof Services				\$2000	\$2000
Bank Fees		\$31			\$32
Misc		\$323			\$323
TOTAL EXP	\$216	\$758	\$0	\$2000	\$2974
NET INCOME	2784	2733	7145	-2000	\$10662



Fundraising Committee Report

Volunteers give hundreds of hours, but expenses of the Foster's Pond Corporation include:

- Dam Maintenance
 - ▶ Engineering services
 - ▶ Materials
 - ▶ Brush disposal
- Weed Control
 - ▶ Consulting services
 - ▶ Weed treatments
- Fees, postage, etc.



Fundraising Committee Report

Funding Sources

- Grants from Foundations
- Membership Dues
- Annual Fundraising Campaigns



Fundraising Committee Report

Fundraising Campaign

- We seek to avoid 'crisis' requests for funds
- We rely mainly on our low-key annual request to support our ongoing lake management activities
- Based on historic response rates and anticipated expenses (including periodic whole-lake weed treatments), we are asking for an annual contribution of \$250 per household

Fundraising Committee Report

Thank you for helping preserve Foster's Pond for future generations!

2009 Contributors

Andover St (Wilmington)/Woburn St (Andover)/Nicoll Dr

Daniel & Arlene Friel

Azalea Dr/Clover Cir/County Rd/Donna Rd/Fern Rd/Morningside Dr/Sleepy Hollow Lane/Snowberry Rd

Max & Denise Arai
John & Betty Barrett
Jianrong Chen
Thomas & Christine Draper
Robert & Mary Flaherty
Peter & Judy Hunt
Joel & Amy Janovsky
Jayan Landry
Peter & Sandra Laquidara
Jason & Ami Mirabito
Edward Owens
Paula Preller
Christa & Jesse Ritter
David & Judith Schwedler
Norman Starr
Bill & Sue Walsh

Foster's Pond Road

David Adilman & Lisa Walters
Al & Virginia Barber
Ron & Maureen Carrington
Edward E. Gurry
Janet & Thomas Kenney
Kemper & Laurel Mazzarelli

Glenwood Road

Stephan & Kathy Amesoeer
Stephen Asgeirsson
David Brown & Trish Fleming
David & Lydia Cardin
Jeff & Pat Picard
Edward & Maria Pinkham
Ellen & Winslow Townson
Frank & Barbara Witt

Pine Tree Lane

Jerrold Morris
William Scism & Cheryl Lecham
David & Lynne Whitefield

Pomeroy Road

Steve Cotton & Becci Backman
James & Kathleen Cyrier
Bob & Diane Hanscom
Lana Lau & Larry Yen
William Mooney & Maria Sousa
Louise Small
Richard & Dorothy Tyler

Foundations and Corporations The Boston Foundation (Bessie P. Goldsmith Fund)

Rattlesnake Hill Rd/Carter Lane,Dundas Ave/ Powers Rd/Roulston Cir/Sunset Rock Rd

Joseph & Kristan Bruno
Mark & Stefani Traina Goldshein
Ollie Jones & Carolyn Ramm
Robert Menucci
Mark Nawrocki & Julianne Stoughton
Ali Niakosari
Thomas & Kathleen Sambuco
Salina & Prerak Shah
Young & Swan Shen
Stephen & Margaret Zappala

White Oak Drive

John & Judith Lugus
Arno & Sandra Minkkinen

Willard Circle

Stephen & Joan Ellis
Ed & Judy Goonyep
Jack Murphy
Robert & Alice Pincus
Martin Rabinowitz & Madeline Sherlock
Kenneth Tamarkin & Jean Roberts
Helen Waldruff

Elsewhere in Andover

Christopher Cormier
Frances Y. J. Wheeler

New Business

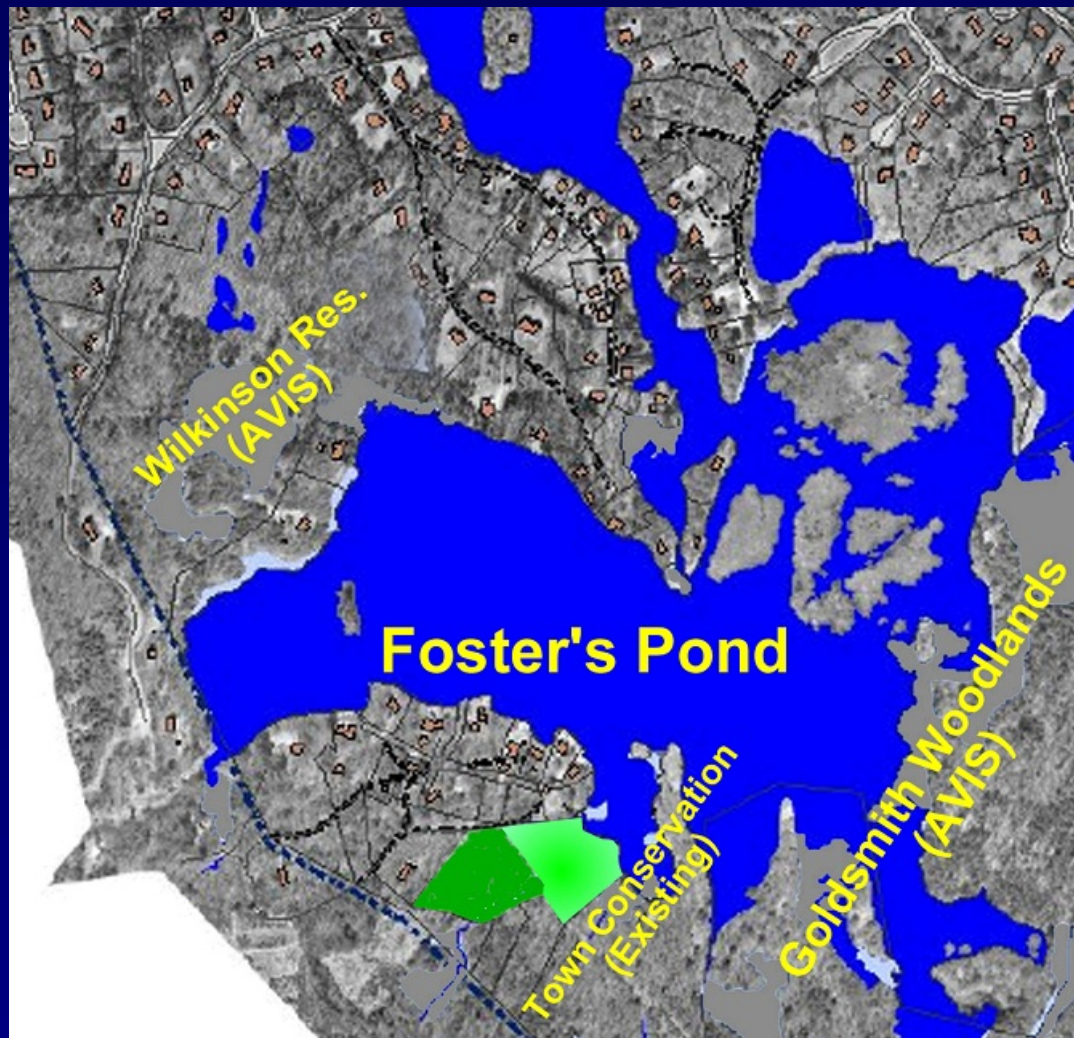


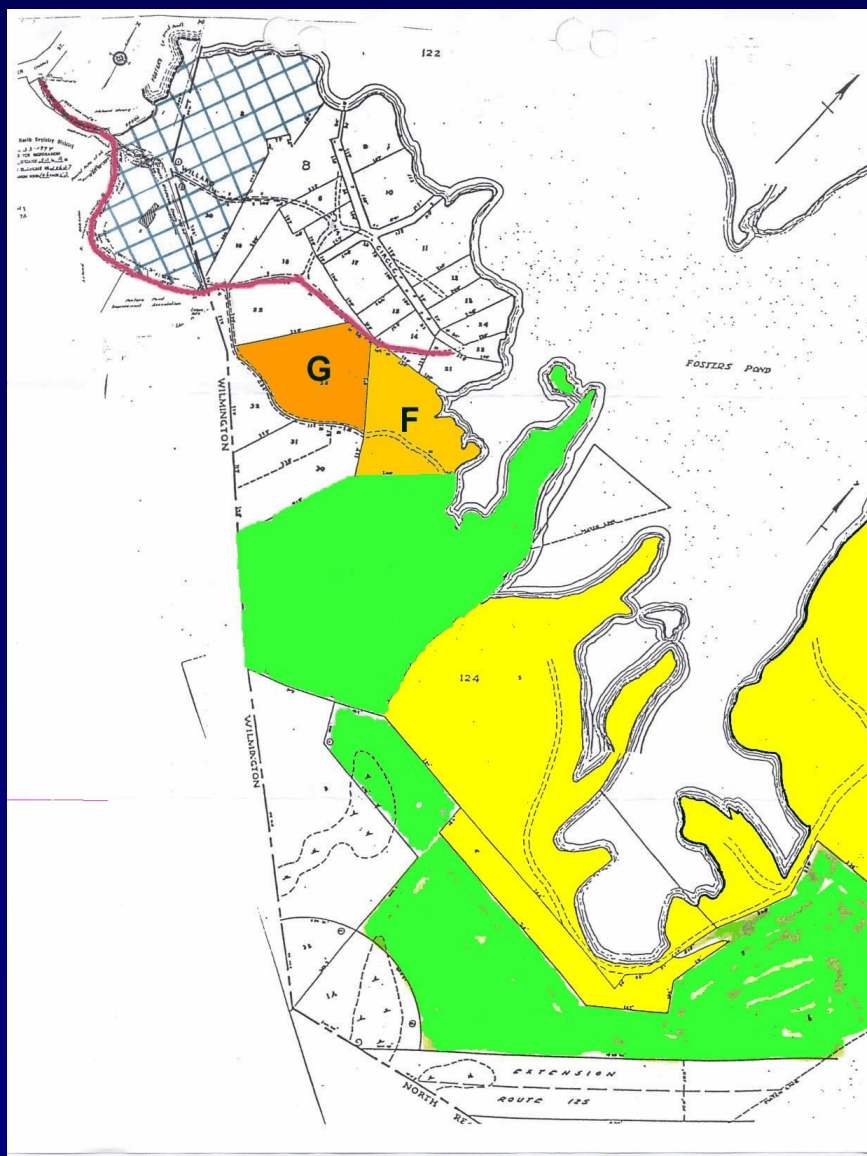
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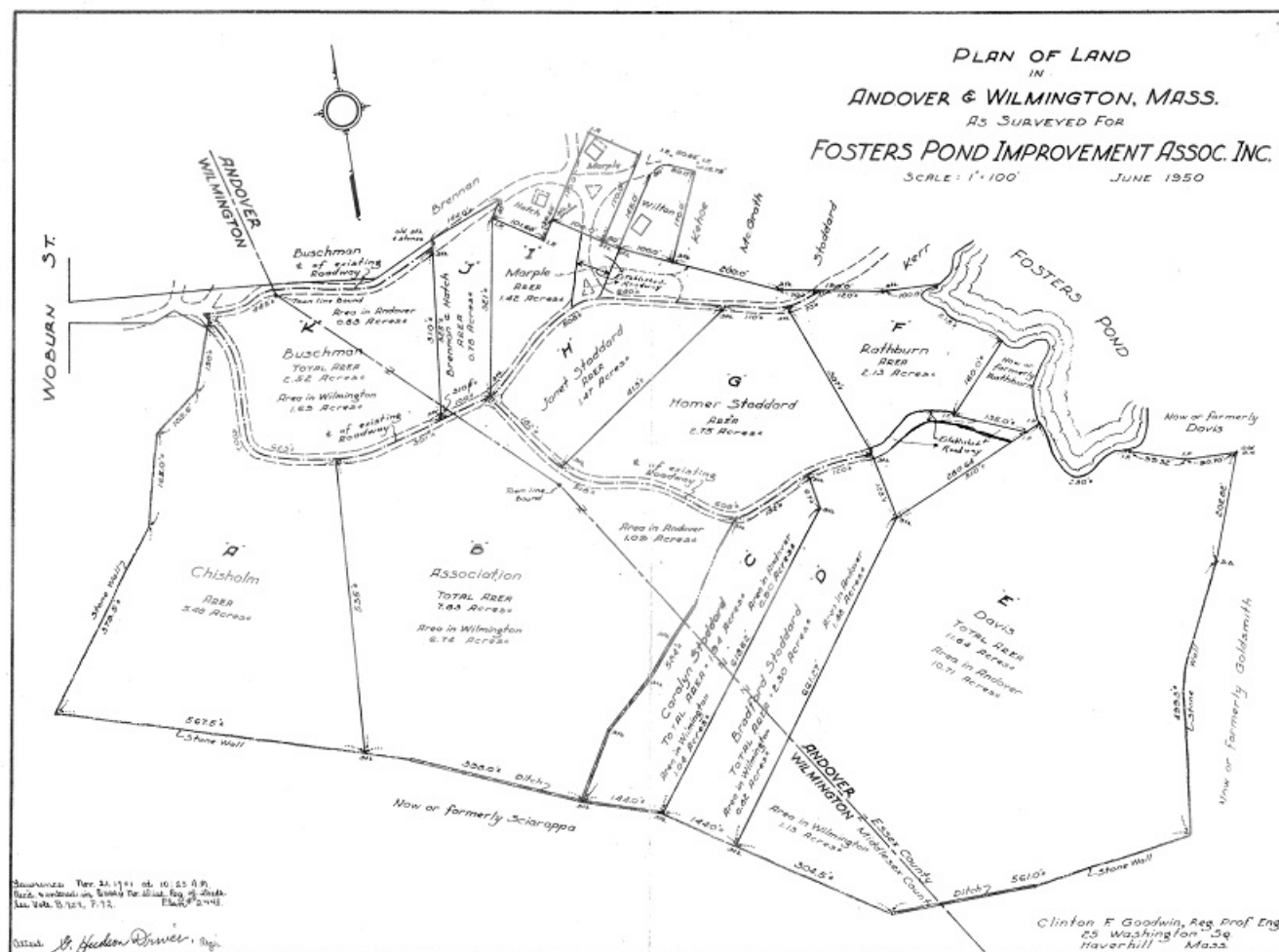
Eye alt 5326 ft

Proposed Conservation Acquisition





84454





Please Volunteer

- Work on the dam
 - One or two days of significant repairs
 - Brush removal, especially in the Fall
- Help with the Summer Picnic
 - Host the 6th Annual Pond-wide Grill-Out
 - Assist with set-up

New Business

The Floor Is Open



2009 Photo Album

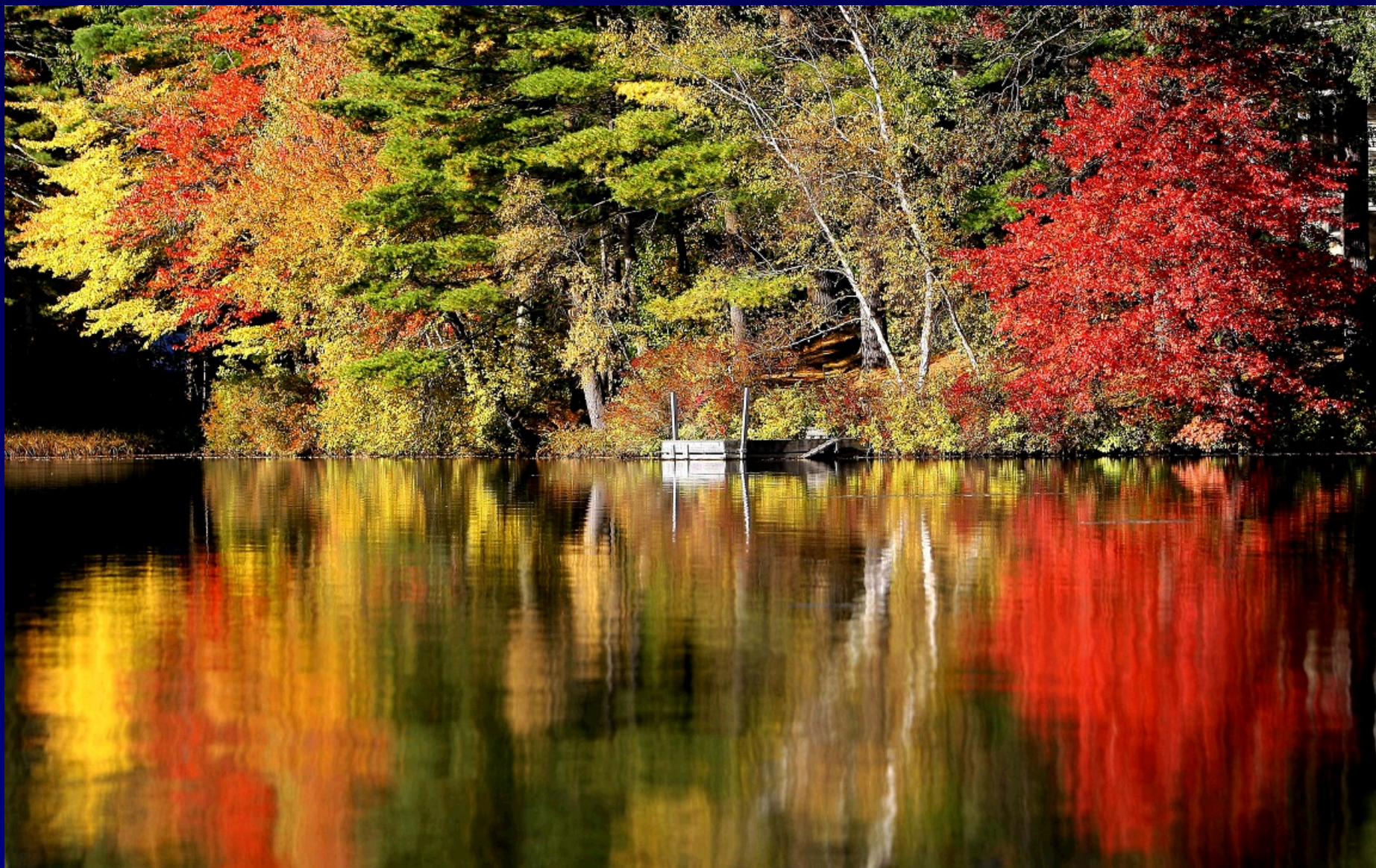


Frances Y J Wheeler





Michael & Stacey Fitzgerald



Winslow Townson

The End



