

Walter A. Ebersohl  
Environmental Grants Specialist  
Southeast Region  
Wisconsin Department of Natural Resources  
2300 N. M. L. King Jr. Dr.  
Milwaukee, WI 53212

RE: Lake Wandawega Improvement Association Grant Proposal

Enclosed you will find our application for an AIS Grant. Thank you for your consideration in this matter. If you should need any further information please feel free to contact me at my office:

Michael Wittman  
CEO - American Acrylics USA LLC  
108 11th Avenue  
South Milwaukee, WI 53172  
Phone: 414-766-1000  
Fax: 414-766-1001  
Email: [wittmanmike@gmail.com](mailto:wittmanmike@gmail.com)

Sincerely,



Michael Wittman

**Notice:** Use of this form is required by the DNR for any application filed pursuant to ch. NR 198, Wis. Adm. Code. Personal information collected on this form, including such data as your name, address, phone number, etc., will be used for management and enforcement of DNR programs, and is not intended to be used for any other purpose. Information may be made accessible to requesters under Wisconsin's Open Records laws (s. 19.32-19.39, Wis. Stats.) and requirements.

**Section I: Application Type**

Check one:

- Education, Prevention & Planning       Early Detection & Response       Established Infestation Control

Legislative District Numbers		To determine your legislative district, go to <a href="http://165.189.139.210/WAML/">http://165.189.139.210/WAML/</a>  Type in complete address, next screen shows information.
Senate	Assembly	

**Section II: Applicant Information**

Applicant Lake Wandawega Improvement Association (LWIA)			Type of Eligible Applicants		
Waterbody Name Lake Wandawega			<input type="checkbox"/> County	<input type="checkbox"/> Tribe	<input type="checkbox"/> Other Gov't Unit
Project County/Township/Section/Range Walworth / T3N / R16E / Sec1,2,3,11&12			<input type="checkbox"/> City	<input type="checkbox"/> Sanitary Dist.	<input type="checkbox"/> Nonprofit Org.
Authorized Representative Named by Resolution Bill Bastan / Michael Wittman / LWIA Treasurer			<input type="checkbox"/> Village	<input type="checkbox"/> Dist.	<input type="checkbox"/> College, School, etc.
Authorized Representative Title LWIA President / LWIA member / LWIA Treasurer			<input type="checkbox"/> Town	<input checked="" type="checkbox"/> Assoc.	<input type="checkbox"/> Federal
Address P.O. Box 902			Project Contact Name Michael Wittman		
City Elkhorn			Project Contact Title LWIA Board Member		
State WI			Address 2323 W. Whitaker Avenue		
ZIP Code 53121			City Milwaukee		
Daytime Phone (area code) (847) 471-2992			State WI		
Evening Phone (area code) (847) 471-2992			ZIP Code 53221		
E-mail Address lwia@lakewandawega.com			Daytime Phone (area code) (414) 766-1000		
			Evening Phone (area code) (414) 334-9334		
			E-Mail Address wittmanmike@gmail.com		

**Mail Check to:** (if different from applicant)

Name and Title LWIA Treasurer			Address P.O. Box 902		
Organization Lake Wandawega Improvement Association			City Elkhorn		
			State WI		
			ZIP Code 53121		

**For DNR Use Only**

Application Type <i>AIS - Education, Prevention &amp; Planning</i>	Date Received <i>07/30/2013</i>	Date Reviewed (AIS/LC/RC) <i>08/26/2013</i>	AIS/Lake /River Coordinator Approval /Date <i>Reidig Bunde 8/26/13</i>
Waterbody ID# <i>740700</i>	Adequate Public Access <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Environmental Grants Specialist Approval / Date	
Eligible Project <input type="checkbox"/> Yes <input type="checkbox"/> No	Eligible Applicant <input type="checkbox"/> Yes <input type="checkbox"/> No	Project Priority Rank	Research / Demo Project <input type="checkbox"/> Yes <input type="checkbox"/> No
Prior Grant Award(s) <input type="checkbox"/> Yes <input type="checkbox"/> No	Fiscal Year(s)	Amount Received To Date \$	Project Awarded <input type="checkbox"/> Yes <input type="checkbox"/> No

# Aquatic Invasive Species (AIS) Control Grant Application

Form 8700-307 (12/11)

Page 2 of 3

**Section III: Project Information**

Project Title Aquatic Plant Management Plan for Lake Wandawega	Proposed Ending Date 12/31/15
---	----------------------------------

Other Management Units	Letter of Support	Other Management Units	Letter of Support
1. Walworth County	<input checked="" type="checkbox"/>	4.	<input type="checkbox"/>
2. Town of Sugar Creek	<input checked="" type="checkbox"/>	5.	<input type="checkbox"/>
3. Wandawega Country Club, Inc.	<input checked="" type="checkbox"/>	6.	<input type="checkbox"/>

**Section IV: Public Access**

Number of Public Vehicle Trailer Parking Spaces Available at Public Access Sites:	7
Number of Public Access Sites Including Boat Launches and Walk-ins:	5

**Section V: Cost Estimate and Grant Request**

<b>Section V must be completed or application will be returned. Details in support of Section V are welcome.</b>	Project Costs		
	Column 1 Cash Costs	Column 2 Donated Value	<i>DNR Use Only</i>
1. Salaries, wages and employee benefits			
2. Consulting services	8,062.00		
3. Purchased services--printing and mailing			
4. Other purchased services (specify):			
5. Plant material			
6. Supplies (specify)			
7. Depreciation on equipment			
8. Hourly equipment use charges			
9. State Lab of Hygiene (SLOH) Costs			
10. Non-SLOH Lab Costs			
11. Other (specify)			
12. <b>Subtotals</b> (sum each column)	8,062.00	0.00	
13. <b>Total Project Cost Estimate</b> (sum of column 1 plus sum of column 2)	8,062.00		
14. <b>State Share Requested (up to 75% of total costs may be requested)</b>	6,046.50		

- Subject to the following maximum grant amounts:
- Education, Prevention and Planning Projects--up to \$150,000
  - Early Detection and Response Projects--up to \$20,000
  - Established Infestation Control Projects--up to \$200,000

Use of Federal funding as match: (check box below if applicable)

We are using or planning to apply for Federal funds to be used as match.

If known, indicate source of funding:



**Section VI: Attachments (check all that are included)**

**A. For all applicants: (Refer to instructions for applicability.)**

- 1. Authorizing resolution
- 2. Letters of support
- 3. Map of project location and boundaries
- 4. Lake map or river segment with public access sites identified (per Section IV of this application and page 20 of the guidelines)
- 5. Itemized breakdown of expenses
- 6. For projects that entail sending samples to the State Laboratory of Hygiene (SLOH) only: a completed SLOH Projected Cost Form
- 7. Project scope/description:
  - a. Description of project area
  - b. Description of problem to be addressed by project
  - c. Discussion of project goals and objectives
  - d. Description of methods and activities
  - e. Description of project products or deliverables
  - f. Description of data to be collected, if applicable
  - g. Description of existing and proposed partnerships
  - h. Discussion of role of project in planning and/or management of lake
  - i. Timetable for implementation of key activities
  - j. Plan for sharing project results
  - k. Other information in support of project not described above

**B. For applicants that are Lake Management Organizations (LMOs), River Management Organizations (RMOs) or Qualified Non-profit Organizations:**

- 1. For first time applicant LMOs/RMOs only: A completed Form 8700-226 (Lake Association Organizational Application) or 8700-287 (River Management Organization Application)
- 2. For first time applicant Qualified Nonprofit Organizations only: Copy of IRS 501(c)(3) determination letter and copies of your Articles of Incorporation and Bylaws
- 3. List of national and/or statewide organizations with which you are affiliated
- 4. List of board members' names, including municipality and county of residence. Designate officers
- 5. Documentation of current financial status
- 6. Brochures, newsletters, annual reports or other information about your organization

**C. Education, Prevention and Planning Projects: (No additional attachments required.)**

**D. Early Detection and Response Projects:**

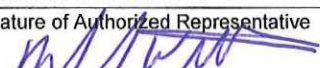
- 1. APM Permit application

**E. Established Infestation Control Projects:**

- 1. Management Plan
- 2. APM Permit application

**Section VII: Certification**

I certify that information in this application and all its attachments are true and correct and in conformity with applicable Wis. Statutes.

Print/Type Name of Authorized Representative Bill Bastan / Michael Wittman / LWIA Treasurer	Title of Authorized Representative LWIA President / LWIA member / LWIA Treasurer
Signature of Authorized Representative 	Date Signed 7-29-2013

**APPLICATION FOR LAKE MANAGEMENT PLANNING GRANT/AIS GRANT**  
**For**  
**LAKE WANDAWEGA,**  
**WALWORTH COUNTY, WISCONSIN**  
This application follows form 8700-307 (12/11)

**Applicant:**

Lake Wandawega Improvement Association (LWIA)  
P.O. Box 902  
Elkhorn, WI 53121  
Authorized Representative  
Bill Bastian / 847-471-2992 / lwia@lakewandawega.com  
Michael Wittman / 414-766-1000 / wittmanmike@gmail.com

**Project Title:**

Aquatic Plant Management Plan for Lake Wandawega

**Completion:**

February, 2015

**A.1. Authorizing Resolution:**

(attached)

**A.2. Letters of Support Received From: (attached)**

Walworth County  
Town of Sugar Creek  
Wandawega Country Club

**A.3. Map of Project Location and Boundaries:**

See map 1 & 2 (attached)

**A.4. Lake Map with Public Access Sites Identified:**

See map 3 & 4 (attached)

**Public Access:**

Lake Wandawega has 7 public parking spaces at the public boat launch, 1 of which are handicap accessible, which meets the DNR public access requirements for adequate public access. Lake Wandawega has 5 access points including 1 boat launch and 4 walk-ins (beaches).

**A.5. Itemized Breakdown of Expenses:**

Funding is requested to cover the cost of performing a plant survey and preparing an aquatic plant management plan for Lake Wandawega. The anticipated cost of the planning project is \$8063.00. Of this, \$2016.00 is the local share and \$6046.50 is the State allocation in terms of the WDNR Lake Management Planning Grant Program. A breakdown of estimated costs is as follows:

1.	Plant Survey	\$ 3052.00
2.	Sonar Mapping	\$ 970.00
3.	APM Plan Update	<u>\$ 4040.00</u>
	Total Expense	<u>\$ 8062.00</u>

## **A.7. Project Scope / Description:**

### **Introduction:**

The Lake Wandawega Improvement Association LWIA, is seeking grant assistance to conduct a Plant Management Survey and APM Plan update with the goal of continuing efforts to improve Lake Wandawega by controlling invasive plant species currently found in the lake and to provide for the continued recreational and residential use of the lake.

### **a. Description of the Project Area**

Lake Wandawega is a 119-acre seepage lake located within the civil division limits of the Town of Sugar Creek in Walworth County. Lake Wandawega is within the Sugar/Honey Creek sub watershed of the Fox River Basin.

### **b. Problems to be addressed by project**

Currently Eurasian Water Milfoil and Curly-Leaf pondweed are present in Lake Wandawega. Concerns about the invasive plants and increased aquatic plant densities have led to the LWIA plan to conduct an aquatic plant survey following survey points provided by WDNR. The data collected will be used to develop an updated aquatic plant management plan to guide LWIA to better control these impacts, and provide for the continued recreational and residential use of the Lake.

### **c. Project Goals and Objectives**

The overall goal of the proposed planning project is to quantify current water quality conditions within Lake Wandawega and to identify aquatic plant issues and concerns, in order to ensure that such issues and concerns are effectively addressed in an aquatic plant management plan for Lake Wandawega. The objectives of the planning project are:

1. Determine the extent of nuisance species in Lake Wandawega; and
2. Expand management efforts to encourage and protect native plants; and
3. To control nuisance species and ensure navigational access for lake users; and
4. To develop an updated aquatic plant management plan.

Accomplishment of these goals will result in the production of an aquatic plant management and lake protection plan for the Lake and its watershed consistent with the objectives of Chapter NR 190, *Wisconsin Administrative Code*. This study will form an integral part of the ongoing program of lake-related management actions being undertaken by the Lake Wandawega community.

**d. Project Methods and Activities, e. Project Products or Deliverables, f. Data to be collected** are addressed below in information provided by the survey and APM plan contractor.

### **AQUATIC PLANT SURVEY (Point-Intercept Method)**

According to the DNR established grid, the plant survey contractor will sample 194 points on Lake Wandawega sometime in July/August 2014 (or as directed by DNR). They will visit each site and take a rake sample noting all species present and their densities along with water depth and bottom type. All data would be entered and stored in an excel database providing a good look at the entire plant community on the lake.

### **SONAR MAPPING**

Lake mapping and sonar interpreting is now available to lake and pond owners. The new system provides real solutions for maintaining a comprehensive and historical look at lake status and submerged aquatic vegetation changes over time in relation to important characteristics such as invasive species, herbicide performance,

abundance, and sedimentation. Raw sonar data is fed through servers with custom parameters to produce vegetation bio-volume and contour maps. Real time and historical data can be used for objective correlation with additional studies to evaluate performance, match point intercept surveys and allocate or recommend specific resource management techniques.

- BATHYMETRIC MAPPING
  - Provides a current, detailed, and highly accurate contour map
  - Compare to previous surveys to determine areas of change
  - Can be used to determine rates of sedimentation
  - Calculates accurate lake volume for herbicide calculations
- VEGETATION MAPPING
  - Provides a virtual snapshot of vegetation density
  - Full bio-volume analysis including percent vegetation and amount of surface area with vegetation
  - Prioritize harvesting areas within the lake
  - Monitor treatment and harvesting progress
- SEDIMENTATION RATE AND VOLUME
  - Sedimentation rates can be determined from multiple readings
  - Assists in determining a dredging timeline
  - Monitor success of dredging projects
  - Can now determine bottom type based on sonar returns

The process will require us to make transects throughout the lake (which we would already be doing during the plant survey). While performing these transects, we are continuously gathering GPS and sonar data in a digital logging unit. This data is uploaded to specialized software to provide a custom report and maps. This technology will enable us to provide detailed data to the harvesting manager, herbicide coordinator, and general membership.

#### **APM PLAN UPDATE**

A portion of this would have already been completed with the plant survey. According to Heidi Bunk (WDNR), we would need to:

- Provide discussion explaining results of the plant survey
- Provide a discussion regarding feasibility of using milfoil weevils
- Provide data regarding a Hockney unit for harvesting and discussion regarding harvesting logistics
- Include maps showing 2013 harvesting with proposed deviations for 2014 and beyond
- Include map denoting potential for herbicide treatment (lake-wide and small scale)
- Elaborate on the three lake organizations
- Integrate plant survey data, maps, tables and above data into existing APM Plan
- Prepare draft and final copies for WDNR and the district

#### **g. Existing Partnerships**

There are currently two property owners associations on the lake. They include Wandawega Country Club (WCC) and Interlaken Property Owners Association (IPOA). A third group of property owners currently do not have an active association, but are referred to as Seminole Park. To combine and coordinate lake improvement efforts of these three groups, Lake Wandawega Improvement Association (LWIA) was created. LWIA is a 501(c)3 non-profit corporation that will manage the financial and logistical objectives of this grant request.

#### **h. Discussion of Role of Project in Planning and or Management of Lake**

The updated APM Plan will be used to educate community members on the health of the lake. It will also serve as a guide to the actions that should be taken to continue to improve and maintain Lake Wandawega.

**i. Timetable and Project Duration**

The project will begin with the plant management survey conducted between July-August 2014. The APM Plan update will occur in the Fall of 2014 with an expected completion of no later than February 1, 2015.

**j. Plan for Sharing Project Results**

The Lake Wandawega Improvement Association will lodge copies of the completed reports and lake management plan with the Town of Sugar Creek, Elkhorn, and Delavan Public Libraries, Walworth County, Wisconsin Department of Natural Resources, and other interested parties. LWIA will hold informational meetings throughout the process to inform interested persons of the studies and aquatic plant management plan recommendations. WCC and IPOA will be provided with all information, which will be shared at their association/board meetings. Minutes from association/board meetings are posted in the beach areas and on their websites.

**B.4. List of Board Members Names - Lake Wandawega Improvement Association**

Bill Bastian – President

Scott Olsen – Vice President

Anton Iberle – Treasurer

Debra Pekin – Secretary

Gary Johnson – Director

Dave Robers – Director

Kathleen Gentile – Director

Michael Wittman – Director

William Vannerson – Director

**B.5. Documentation of Current Financial Status**

See attached W-9



RESOLUTION OF Lake Wandawega Improvement Association, Inc., County of Walworth,  
State of Wisconsin

WHEREAS, Lake Wandawega is an important resource used by the public for recreation and enjoyment of natural beauty; and

WHEREAS, public use and enjoyment of Lake Wandawega is best served by protection of Wandawega Lake from infestation of aquatic invasive species; and

WHEREAS, a study and examination of the lake will lead to better understanding and will promote the public health, comfort, convenience, necessity and public welfare; and

WHEREAS, we recognize the need for responsible and holistic long-range planning to better manage the lake, its watershed, and its use; and

WHEREAS, we are qualified to carry out the responsibilities of the planning project

IT IS, THEREFORE, RESOLVED THAT:

Lake Wandawega Improvement Association, Inc. requests the funds and assistance available from the Wisconsin Department of Natural Resources under the "Lake Management Planning Grant Program": and

HEREBY AUTHORIZES the President, Bill Bastian, Board Member, Michael Wittman, or LWIA Treasurer, to act on behalf of Lake Wandawega Improvement Association, Inc. to:

submit an application to the State of Wisconsin for financial aid for lake planning purposes;

sign documents;

take necessary action to undertake, direct and complete an approved planning grant.

submit reimbursement claims along with necessary supporting documentation within six months of project completion date

BE IT FURTHER RESOLVED THAT Lake Wandawega Improvement Association, Inc. will meet the obligations of the planning project including timely publication of the results and meet the financial obligations under this grant including the prompt payment of up to 40% of our commitment to planning project costs.

Adopted this 13th day of July, 2013

By a vote of: 6 in favor 1 against 1 abstain

 7/13/13

Bill Bastian, President

Lake Wandawega Improvement Association, Inc.



Land Use and Resource  
Management Department

July 16, 2013

Ms Heidi Bunk  
Water Resources Management Specialist  
Wisconsin Department of Natural Resources  
141 NW Barstow St. Rm. 180  
Waukesha, WI 53188

Dear Ms. Bunk,

It has recently come to my attention that the Lake Wandawega Improvement Association is applying for a Wisconsin DNR Small Scale Lake Management Planning Grant. This grant, if awarded, will help fund an aquatic plant survey, which will then be used to update the existing Aquatic Plant Management Plan for Lake Wandawega.

An up-to-date aquatic plant management plan is an important component of lake protection. An aquatic plant management plan will provide environmentally sound guidance to control the quantity and density of aquatic plants, which will facilitate improved water recreation, maintain the best possible water quality as well as protect and enhance the resource value of Lake Wandawega.

The Walworth County Land Use and Resource Management Department whole-heartedly supports this initiative and appreciates your consideration of the grant proposal. If you have any questions, please feel free to contact me at (262) 741-7912.

Sincerely,

Louise Olson  
County Conservationist; Deputy Director,  
Walworth County Land Use and Resource Management

# *Town of Sugar Creek*

N6641 County Rd. H  
P.O. Box 287  
Elkhorn, WI 53121  
(262) 742-3383 • Fax (262) 742-4476

July 16, 2013

To Whom It May Concern:

On behalf of the Town of Sugar Creek, I submit this letter in support of the proposed Lake Management Planning Grant for Lake Wandawega.

Lake Wandawega is a valuable resource to the area and Lake Wandawega Improvement Association's (LWIA) commitment and undertaking of projects to improve and protect Lake Wandawega is a welcome and necessary step.

We respectfully request that you approve this grant application.

Sincerely,

A handwritten signature in blue ink, appearing to read "David Duwe".

David Duwe  
Town Chairman



**Wandawega Country Club, Inc.  
Property Owners Association  
P.O. Box 624  
Elkhorn, WI 53121**

---

July 2013

To Whom It May Concern:

We are writing this letter in support of the proposed Lake Management Planning Grant for Lake Wandawega in Walworth County. Lake Wandawega Improvement Association (LWIA) is currently working at submitting this proposal.

Our property owners association is located along approximately half of the shoreline of Lake Wandawega. As a property owners association, we work hard to keep the lake clean, navigable for small boats, and usable for both fishing and swimming. We feel very fortunate to live near such a wonderful natural resource. Our hope is to see this lake continue to be usable for many years to come.

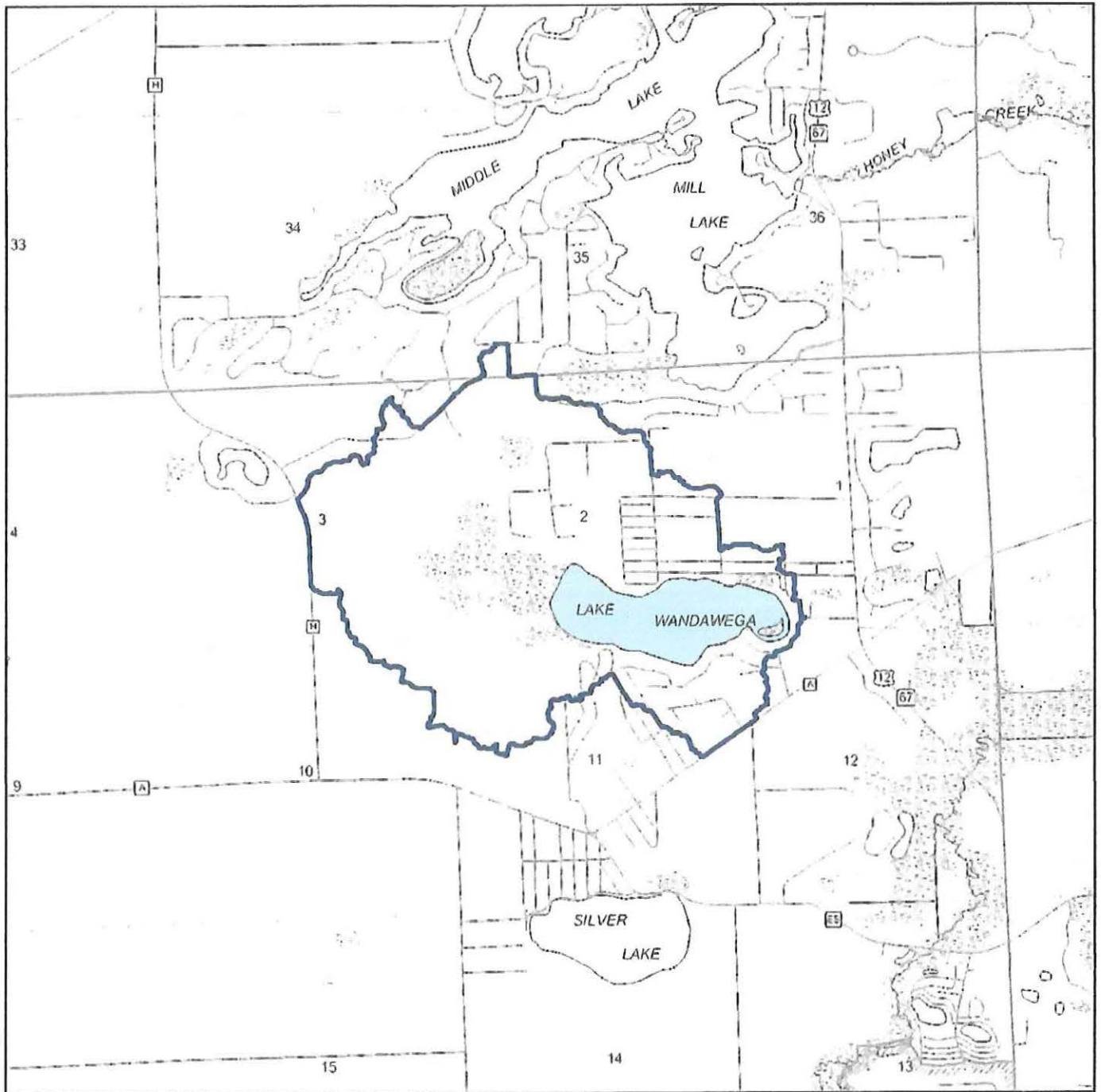
We fully support LWIA's endeavors in maintaining Lake Wandawega and encourage the acceptance of their grant proposal. Many of our property owner association members have also voluntarily joined LWIA to show their support. Please seriously consider their grant proposal for the sake of the future of Lake Wandawega.

The Board of Directors  
Wandawega Country Club, Inc.  
Nancy Haak, Secretary



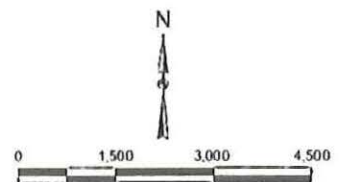
Map 1

LOCATION OF LAKE WANDAWEGA



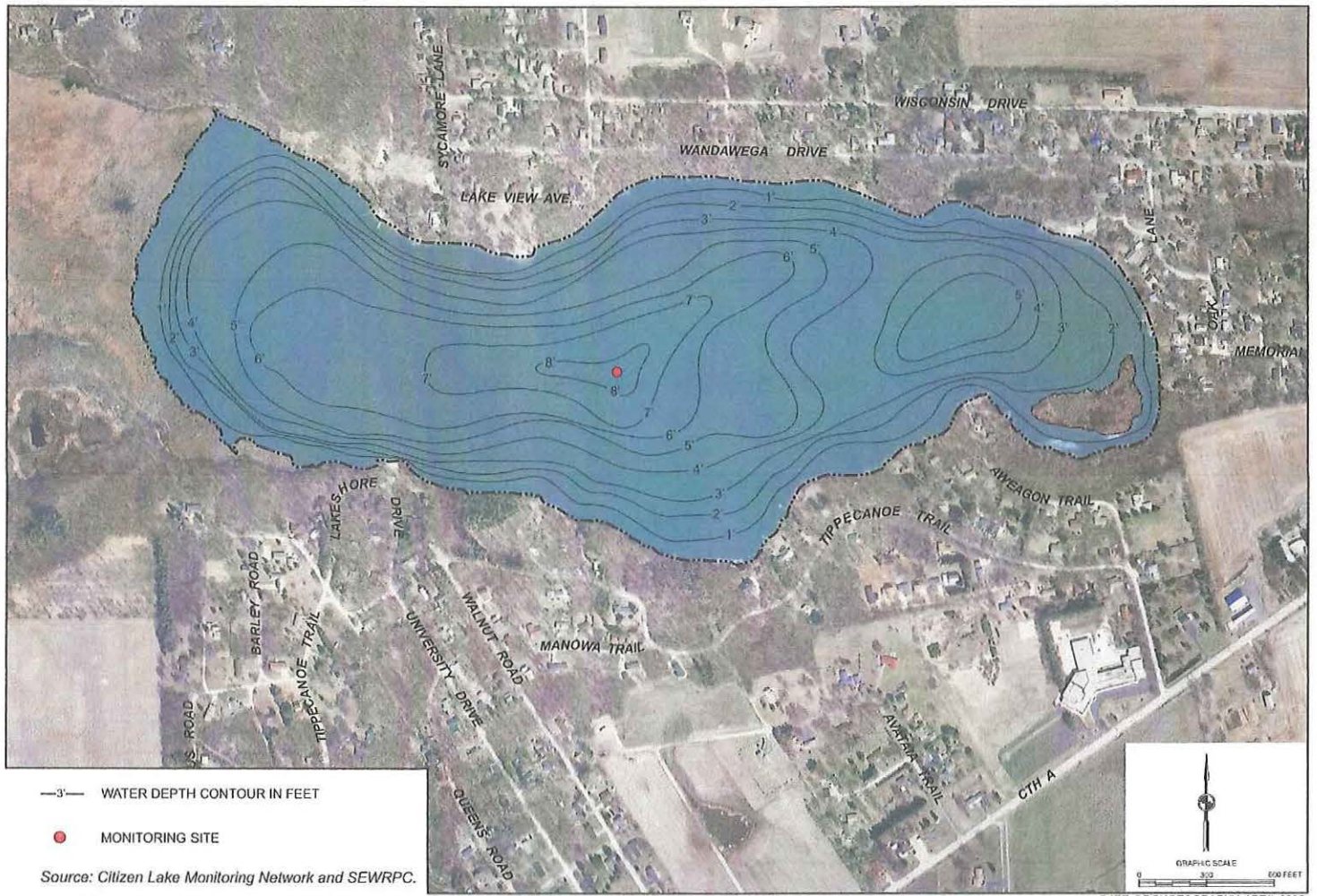
- Tributary Area Boundary to Lake Wandawega
- Surface Water

Source: SEWRPC.



Map 2

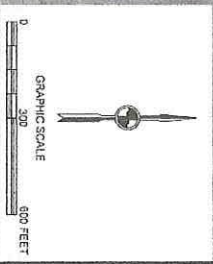
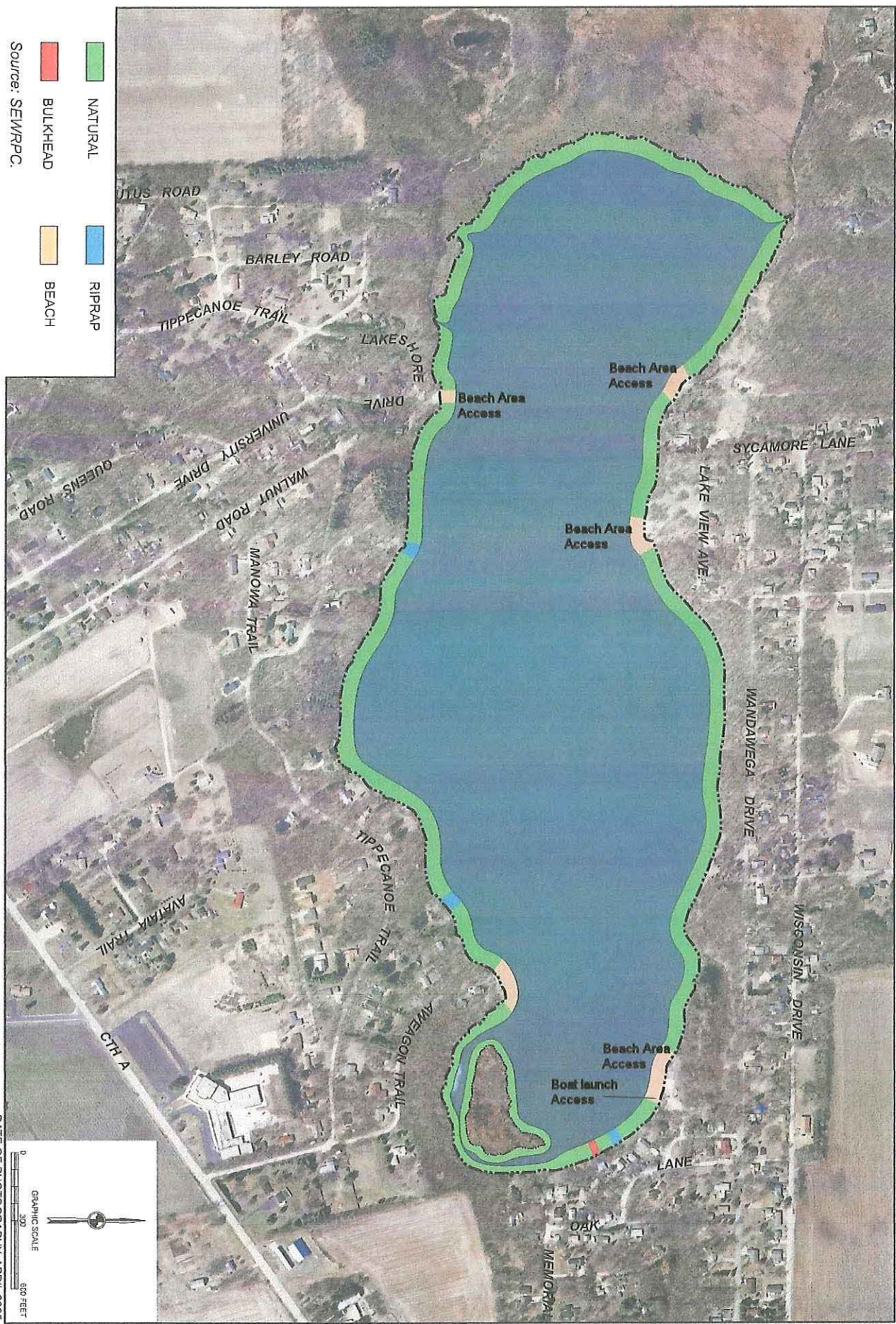
BATHYMETRIC MAP OF LAKE WANDAWEGA





### Map 3 Access Points

- NATURAL
  - BULKHEAD
  - BEACH
  - RIPRAP
- Source: SEW/PPC.



DATE OF PHOTOGRAPHY: APRIL 2005



nation Division

GLW  
00382A

Wendawega Lake

MANICAP  
& PARKING SPACES

6 00301 Z  
 7 GLW 00302 Z  
 20' 25' 8 100' 100' 20'

11 GLW  
 10 00303 Z  
 9 100' 25' Z

N6963  
 G SC 1  
 00007

125' (AR)  
 N6959  
 G SC 1  
 00008

15' (AR)  
 15' 2'  
 00009B

OAK

48 GLW  
 25' 47 00324

25' 2  
 3  
 C G

97.9

18'

55'

0  
 33 Feet

Map 4  
 Parking area