State of Wisconsin Department of Natural Resources

Lake Management Grant Application Form 8700-283 (R 12/11) Page 1 of 4

Notice: Use of this form is required by the DNR for any application filed pursuant to ch. NR 190 or 191, Wis. Adm. Code. Personal information (PI data) 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 will be made accessible to requesters under Wisconsin's Open Records laws (s. 19.32-19.39, Wis. Stats.) and requirements.

Section I: Application Type						
X Lake Management Planning Gr	ant			Lake Management F	Protection Grant	
Check one:			Check one:			
∠ Large-scale planning grant				Wetland restorati	ion	
Small-scale planning grant	a.			Ordinance develo	opment	
Check one:			Lake improvement			
Lake education				Lake classificatio	n	
Organizational developme	ent			Land or easemer	nt acquisition	
Other study or assessme		project			n doquionion	
Legislative Distric		project	To	determine your legis	slative district o	o to
Senate	Assembly		http://165.189.139.210/WAML//			
14	41	47	Type in complete address, next screen shows information.			
Section II: Applicant Information						
Applicant		Part Care Care	Type of Eligibl	e Applicant		
Village of Lake Delton			County	Tribe	Other Co	overnmental Unit
Lake Name		Size in Acres	1=			verninentai onit
Lake Delton		267.00	City	Sanitary Distric	INOITIO	it Conservation
Project County/Township/Section/Rang	je		X Village	Lake District	Organiza	luon
Sauk County /T 13/R 6/S15,16,2	1,22		Town	Lake Association	on School D	istricts (Planning)
Authorized Representative Named by F	Resolution	1	Project Contact Name			
John Webb			Joshua Britton			
Authorized Representative Title			Project Contact Title			
President			President			
Address			Address			
50 Wisconsin Dells Parkway	19		Post Office	Box 3634		
City	State Z	IP Code	City		State	ZIP Code
Lake Delton, WI		53940	La Crosse		WI	54602
Daytime Phone (area code)	ode) Evening Phone (area code)		Daytime Phone (area code) Evening Phone (area code)		(area code)	
(608) 254-2558			(877) 781-8770 (608) 317-5252			
E-mail Address			E-Mail Address			
kay2busy@dellsnet.com abritton@aquaticengineering.org						
Mail Check to: (if different from app	licant)					
Name and Title			Address			
John Webb / President			50 Wisconsi	n Dells Parkway		
Organization			City		State	ZIP Code
Village of Lake Delton			Lake Delton		WI	53940
		For DNR	Use Only			
Application Type Date R	teceived	Date Reviewe	d (LC)	Lake Coordinator App	roval / Date	
Waterbody ID#	Adequate Public Acces	ss Env	ironmental Gran	l ts Specialist Approval /	/ Date	
1295400	Yes No		Van d		cellor	8/14/12
		ect Priority Ran		e cuo	1,1/0	
Yes No	Yes No					
	iscal Year(s)	Amr	ount Received T	o Date F	Project Awarded	
Yes No		s			Yes	No

Section III: Project Information Project Title				Propor	sed Ending [)nto
Aquatic Plant Management Planning Update	e & Public Ed	ucation Ca	mpaign	12/3		ale
Other Management Units Around Lake	Letter of Support		ner Management Ui			Letter of Support
1. Town of Delton	\boxtimes	4. Village of	Lake Delton			\times
2. Sauk County	$\boxtimes \checkmark$	5. Represent	ative Joan Ballwe	g		X
3. Sportsman's Club		Senator Luther Olson			\overline{X}	
Section IV: Lake Access						
Number of Public Vehicle Trailer Parking Spaces Av	ailable at Public	Access Sites	s: 10			
Number of Public Access Sites on Lake Including Bo	nat Launches and	d Walk-ins	4			
Section V: Cost Estimate and Grant Request						
			Project Costs			
Section V must be completed or application will support of Section V are welcome.	be returned. D	etails in	Column 1 Cash Costs	Column 2 Donated Valu	e DNR L	Jse Only
Salaries, wages and employee benefits						
2. Consulting services			38,611.25			
Purchased servicesprinting and mailing						
Other purchased services (specify):						
5. Plant material						
6. Supplies (specify)						
7. Depreciation on equipment						
Hourly equipment use charges						
State Lab of Hygiene (SLOH) Costs		•				
10. Non-SLOH Lab Costs						
11. Land or easement acquisition value						
12. Associated acquisition costs						
13. Other (specify)						
14. Subtotals (sum each column)			38,611.25			
15. Total Project Cost Estimate (sum of column 1	1 plus sum of co	olumn 2)	38,611.25		1111111	
16. State Share Requested (calculate based on Si			25,000.00			
Subject to the following maximum grant amounts: • Large-scale lake planning projectsup to \$25, 1	000 - 67% State sł	nare				

- Small-scale take planning projects--up to \$3,000 67% State share
 Lake classification and regulation or ordinance development projects--up to \$50,000 75% State share
- Lake protection projects (other than lake classification and regulation or ordinance development projects)--up to \$200,000 75% State share

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:

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Sec	ction VI: Attachments (check all that are included)
A.	For all applicants:
	1. Authorizing resolution
	✓ 2. Letters of support
	√ 3. Map of project location and boundaries
	4. Lake map with public access sites identified (per Section IV of this application and page 33 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
В.	For applicants that are Lake Management Organizations (LMOs) or Non-profit Conservation Organizations (NCOs):
	1. For first time applicant LMOs only: A completed Form 8700-226 (Lake Association Organizational Application) 2. For first time applicant NCOs 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. For land or easement acquisition projects: Detailed description of your organization's land management experience
^	7. Brochures, newsletters, annual reports or other information about your organization Wetland Restoration Projects:
Ο.	1. Deed, easement, or land control agreement
	2. Preliminary engineering plans
	3. Water regulatory permits
_	4. Map of project location and boundaries
IJ.	Ordinance Development Projects: 1. Inventory of applicable existing ordinances
	2. Description of resources each jurisdiction allocates to enforcement
	3. Preliminary surveys
Ε.	Lake Improvement Projects:
	1. Engineering and design plans
	2. Water regulatory permits
	3. Map of project location and boundaries

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Section VI: Attachments, continued			
F. Land or easement acquisition projects:			
1. DNR Form 1800-1 (Environmental Hazards Assessment Form)			
2. Legal description of the property	·		
3. Project location boundary map			
4. Property or easement appraisal (if not previously submitted to the	Department)		
5. If escrow closing, the title insurance commitment			
6. Evidence of compliance with Uniform Relocation Act requirements	s, if applicable		
7. Agricultural Impact Statement, if applicable			
8. Status of acquisition negotiations, including expected time frame f	or closing		
9. A land management plan			
a. Full description of property and conditions			
b. Description of current and proposed uses of property and a	adjolning properties		
c. Management requirements for property			
d. If roads, piers or grading are proposed, a topographic surv	ey with feature locations, and design cross sections		
Section VII. Certification			
I certify that information in this application and all its attachments are true and	d correct and in conformity with applicable Wis. Statutes.		
Print/Type Name of Authorized Representative	Title of Authorized Representative		
John Webb	President		
Signature of Authorized Representative Date Signed			
Copy of WWI	13-7-13		

Lake Management Grant Application Form

The Lake Management Grant Application Form 8700-283 is attached.

Authorizing Resolution

A formal resolution on behalf of the Village of Lake Delton, WI was authorized on February 11th, 2013.

Letters of Support

VLD has always received an outpouring of support for their comprehensive planning grant applications. The letters received are from Kay Mackesey – Clerk/Treasurer of the Village of Lake Delton, Chairman of the Village of Lake Delton, County Conservationist, and from Delton Sportsmen's Club. All received letters will be provided in the upcoming days as they are received.

Timeline and Itemized Breakdown of Expenses

Fall & Winter 2013	
Public Recreational Use Survey Mailing	\$1,656.00
Lake Fair Planning and Marketing	\$5,980.00
Historical Aquatic Plant Data Review	\$1,955.00
Sub-total	\$9,591.00
Spring 2014	•
Public Use Interviews – Opening day for inland fishing	\$575.00
Public Use Interviews – Memorial Day (or closest weekend)	\$575,00
Spring Aquatic Plant Survey	\$4,0 <u>25.00</u>
Sub-total	\$5,175.00
Summer & Fall 2014	
Public Use Interviews – Independence Day (or closest weekend)	\$575.00
Public Use Interviews – Labor Day (or closest weekend)	\$575.00
Summer Aquatic Plant Survey	\$4,025.00
Lake Fair	\$1,437.50
Public Recreational Use Business Interviews	\$2,875.00
Meeting with stakeholders	\$2,070.00
Processing and reporting Public Recreational Use Survey results	\$1,667.50
Planning analysis	\$3,105.00
APM Planning Session	\$609.50
Final report and inclusion into Aquatic Plant Management Plan	<u>\$1,569.75</u>
Sub-total	\$18,509.25
Fall 2014 & Winter 2014-15	
Preliminary APM Plan Preparation and Distribution	\$1,569.75
APM Planning Session	\$609.50
Feedback, Comments, and Revisions \$977.50	
APM Planning Session	\$609.50
Final APM Plan Preparation and Distribution	<u>\$1,569.75</u>
Sub-total	\$5,336.00
Project Sub-Total	\$38,611.25
Planning G	
Village of Lake Delton Cost S	Share \$13,611.25
Project 7	Total \$38,611.25

Map of Project Location and Boundaries

Surface area:

267 acres

Maximum depth:

20 feet

Lake type:

Impoundment

Township:

13N

Range:

6E

Section:

15, 16, 21, 22

Accessibility:

Public boat ramp and beach



Project Area and Background

Lake Delton is located in the Village of Lake Delton in Sauk County, Wisconsin. Lake Delton is a 267 acre eutrophic impoundment of Dell Creek.

Lake Delton is perhaps the most heavily used recreational lake used by residents and vacationers of the Wisconsin Dells area. The lake is of extreme importance to the Village of Lake Delton's economy because the economy depends heavily on the lake's water quality and navigability. In addition, it has been documented that the economic value of a lake is directly related to water quality and a healthy aquatic plant community (Krysel et al 2003).

The Village of Lake Delton (VLD) has been proactive in maintaining the health of Lake Delton and there have been several plans and studies developed for or on behalf of the Village of Lake Delton, Lake Delton Association, Sauk County, and surrounding villages and counties. The watershed, aquatic plant community, water quality and fishery have all been addressed in previous studies and plans. However, there has not been a current study on the recreational uses of Lake Delton nor is there current aquatic plant inventory data available to update the Aquatic Plant Management Plan (APMP). This study will address the issues that there is no current information on the recreational uses of the lake and will update the aquatic plant management plan accordingly. The final reports will also serve to update the Lake Management Plan (LMP). - is there?

is there

Planning Updates to be Addressed by Project

Organizing and implementing an Aquatic Plant Management Plan cam be a daunting task for many lake organizations. The Village of Lake Delton, WI, has a desire to continue managing the invasive aquatic plants within Lake Delton. The Village does have a plan in place but needs to have the plan updated to meet current Department of Natural Resources (DNR) guidelines. The Village would like to create an APMP update so that future management is well organized and is backed by public support. This project is designed to fill those gaps and create an APMP that can be approved by the DNR and implemented by the Village.

Even though Lake Delton is a heavily used recreation lake, it has not been documented what those exact uses are or how they affect the lake ecosystem. Due to its importance within the community, a public use survey is warranted. The survey will gather public opinion on lake issues like water quality, aquatic plants, human uses, and fishery quality. The opinions will then be compared to community goals and objective inventory data. The village will then be able to select management strategies that address objectively determined issues and work toward a common goal.

In addition to public opinion, there is a general lack of public education regarding issues facing Lake Delton. This work will also organize an educational "lake fair" to be held prior to

who will be weather

incorporating public opinion into management recommendations. The lake fair will provide a hands-on experience for those wanting to learn more about the Lake Delton ecosystem.

Project Goals and Objectives

The first goal of this planning grant is to provide a platform for gathering public use data and incorporating a Public Educational Campaign (PEC) into the current Aquatic Plant Management Plan. The grant will also help fund a PEC which was listed as an activity in the Aquatic Plant Management Plan as an immediate goal.

The primary goal of this planning grant is to help the Village of Lake Delton create a DNRapproved Aquatic Plant Management Plan. Aquatic Engineering, Inc. will coordinate efforts within the Village, USDA, County, and State to complete the Plan. The final plan will incorporate the recommendations of the DNR as outlined in the most current version of Aquatic Plant Management in Wisconsin guidelines.

Methods and Activities

Public Recreational Use Survey

A public use survey will be conducted to assess the perceived problems facing Lake Delton. The survey will focus on collecting data regarding aquatic plant management and water quality improvement and protection. The survey will be designed so that perceived problems and desired management activities can be objectively compared to project goals. What? which project goals?

The survey will be distributed to residents and businesses of the Village of Lake Delton via United States Postal Service. Focus will be placed on those who live or own riparian property. To encourage participation, return postage will be pre-paid and no personal information will be requested as part of the survey.

Survey results will be summarized in a PEC Technical Report and will be incorporated into the APMP update. A great deal of plant and water quality data have been collected since 2003. Results of the survey will be compared to objective plant and water quality data gathered from previous monitoring activities. Discrepancies between public opinion and objective analysis will be discussed and presented at a public planning meeting. At that meeting specific lake water quality management objectives will be discussed and those objectives that are widely supported will be included in the APMP update. A plan on how to meet those objectives will also be part of the APMP and will include information on who, what, and when activities will be implemented.

Lake Fair Components

VLD and its agents will work with the DNR, Sauk County, USDA, and USGS to provide an information and demonstration workshop to be open to the public. The goal is to have one representative from each agency present information on a specific topic of the lake ecosystem. Ideally, the watershed, aquatic plant community, fishery, wildlife, and water quality would all be represented. Each area will contain educational materials and a hands-on demonstration related to the specific ecological topic. Materials and demonstrations will be geared toward children and adults alike.

Food and beverages will be provided and no entrance fees will be charged. The fair will be open to the public and advertised prior to the event. The event will be held at a location easily identifiable and accessible to the general public.

NHI Species Review

VLD will request a review of the Natural Heritage Inventory (NHI) database from the WDNR. The review will include a list of species previously identified in or around Lake Delton. This list will be used in determining habitat protection measures which will be included in the APMP update.

Organizational Components

VLD (VLD) and its agents will work with the Village of Lake Delton to help create a unified effort and a publicly supported APMP. As part of this activity, VLD will facilitate the creation of a Purpose Statement and Goal Statement and attend three planning meetings held by the Village. These statements will help create organizational unity and will provide vision for long-term goals of the Village.

Management History Review

VLD will organize past management reports, past WDNR studies, official reports and designations, monitoring data, and historical wildlife records. The DNR will provide a fish and wildlife review (NHI review) which will identify rare, threatened, endangered, and species of special concern. The DNR's review will be incorporated into the APMP by VLD.

Aquatic Plant Survey

The last whole-lake aquatic plant survey was conducted in 2003. This study will complete a quantitative survey using methods outlined in the DNR aquatic plant management guidelines. The DNR will provide sample points in GIS shape file format. One rake sample will be collected at each point as described in the methods of the guidelines. Voucher samples will be collected in triplicate. One sample will be provided to the Village of Lake Delton, one sample to the DNR, and one sample will be sent to either the State Herbarium in Madison or to the Freckman Herbarium at UW-Stevens Point for ID verification.

Aquatic Plant Management Plan

An Aquatic Plant Management Plan update will be created following recommendations within the most current draft of the WDNR APM guidelines. The plan will identify historical conditions and will provide a narrative describing how conditions have changed over time. Those changes will be compared to current and past recreational uses and community values. Objective plant and water quality data will be compared to the results of the public use survey. The plan will identify goals of the management effort, options for attaining those goals, a description of the review and selection process for management options, documentation of public support, and a list of responsibilities and tasks necessary to implement actions within the plan. The plan will include what, who, when, and how responsibilities will be completed including volunteer and financial commitments.

The APM Plan will include the following components:

Goals

- Purpose Statement
- Goal Statement

C3 Dieset seem

Separation of the services

Management History

- A summary of past management activities
- Narrative describing fish and wildlife community and their relationship to plant community
- Identification of any areas designated "Sensitive Areas" by the WDNR
- Identification of areas where rare, threatened, or endangered species or species of special concern exist (to be provided by WDNR)

Recreational Water Use

Results of public recreational use survey used to gather opinions and perceptions on plant and water conditions To include how they was the lake!

Analysis

A14

- Identification of management objectives needed to maintain and restore beneficial uses of lake
- Maps and overlays of the information from the inventory and interpret results
- Identification of target levels or intensity of manipulations
- Mapped areas proposed for management

Mapped coordinates recorded on a GIS map Coordinates of what

Alternatives

- Measures to protect the valuable elements of the aquatic plant community as well as measures to control nonnative and invasive plants, plants that interfere with beneficial lake uses, and plants that enhance habitat for fish and aquatic life
- Discussion of most common plant control techniques, benefits, and drawbacks with vested parties
- Information regarding the feasibility, costs, and duration of control expected of each alternative
- Discussion of the potential adverse impacts of each alternative

Recommendations

- Development of an invasive species prevention program including education and monitoring
- Implementation of a "Clean Boats, Clean Waters" program
- Involve public in keeping the lake healthy by finding ways to decrease harmful watershed inputs good but whelly.
- List proposed control actions beyond those strictly necessary for aquatic plant management that will be implemented to achieve desired level of control
- Identify specific areas for control on a map and list level of proposed management

(Implementation)

- A description of education or prevention strategies needed to maintain and protect plant community
- A description of how all management recommendations will be implemented, methods and schedules applicable to the operation, including timing, capital, operational cost estimates, and maintenance schedules if applicable. Include a

5

description of the roles and responsibilities of persons and/or organizations involved in the management process

- A description of how the public will be involved
- A budget and identification of funding sources, including plans for grant application
- A description of how the process by which the plan will be adopted, revised, and coordinated, with WDNR approval

Monitoring and Evaluation Recommendations (Lakes with Known Invasive Populations and? Following Management Actions)

- Recommendations for monitoring for invasive aquatic plants
- Recommendations for performing a quantitative plant survey and tracking diversity indices such as FQI for early warning signs of decreasing diversity or water quality
 Recommendations for performing a quantitative plant survey and tracking diversity
- Recommendations for performing a professional survey for the presence of exotic species and for updating the native plant list 445.
- Recommendations for aquatic plant sampling frequency, methods, and sampling areas
- Recommendations for collecting basic water chemistry and physical parameters such as TP, TKN, temperature, pH, dissolved and dissolved oxygen

Plan for Sharing Project Results

A rough draft of the APMP will be issued to stakeholders for initial review and comments. Comments will be reviewed and incorporated as appropriate and the final draft will be completed. The final revision of the APMP will be distributed amongst the stakeholders. These key stakeholders include the Village of Lake Delton, the Wisconsin Department of Natural Resources, VLD (VLD), and Sauk County. A copy of the APMP will be made publicly available at the local library. The results of this project will be presented as part of VLD's public education campaign at an organized lake meeting. The education will focus on potential watershed improvements including best management practices, exotic plant control, and improved water quality. Native plant protection t promotion, habitat restration

All data, including raw data, shape files, and meeting minutes will be made available when the final draft if approved by the DNR. Project updates will be emailed to stakeholders and posted on a dedicated website for access by all vested parties.

Current Financial Status Statement

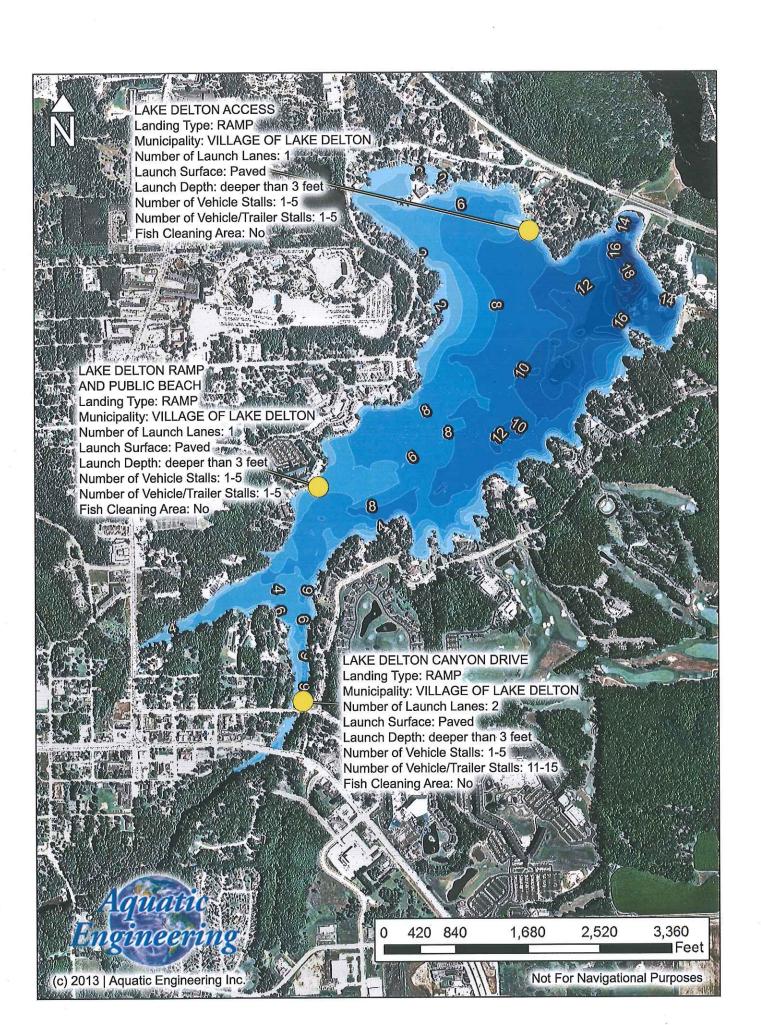
Current financial statements for the Village of Lake Delton, WI are available upon request.

References

Krysel, C., E. M. Boyer, C. P. Parson, and P. Welle. 2003.

Lakeshore values and water quality: evidence from property sales in the Mississippi headwaters region. Mississippi Headwaters Board.

This wasn't referenced



Village of Lake Delton

Office of the Clerk/Treasurer/Coordinator Phone: 6O8-254-2558 FAX: 6O8-254-7785

50 Wis. Dells Pkwy. S. P.O. Box 87 Lake Delton, WI 53940

February 12, 2013

Re: Lake Delton Protection and Planning Grant Application

Our lake has a tremendous economic value to the tourist industry in the Lake Delton/Wisconsin Dells area. It hosts a variety of activities including the Tommy Bartlett Water Show, Wisconsin Original Duck Tours, Dells Duck Tours, boat rentals of various types and general recreational use such as water skiing, swimming and fishing. Our local Sportsmen's Club raises walleye pike which they stock in our lake along with additional funds provided by the Village for fish stocking. Lake Delton is also home for many resorts, rental condominiums and restaurants, used by thousands of tourists annually. In addition there are several year round residential units surrounding the lake property.

Because of the accelerated growth of the lake and surrounding properties, we have a deep concern for the welfare of the lake and the threat to its water quality. This study will allow us to further obtain a better insight to what is actually happening to the "Lake" ecosystem and will allow us to address the current and future circumstances facing Lake Delton.

We ask that this lake be assigned a high priority to receive funding and begin the needed studies immediately.

Sincerely,

VILLAGE OF LAKE DELTON

Kay C. Mackesey

Clerk-Treasurer-Coordinator

The members of the Delton Sportymen

Auth do support the Villing of Lake

Delton in seeking a grant for a

Lake Delton Manual ment Flon

from the Wisconsin Department

of Natural Resources.

Provident Peton Sportsmis Club

7.12-13



Conservation, Planning, and Zoning Department 505 Broadway, Ste. 232, Baraboo, Wisconsin 53913

Phone: (608) 355-3245

Fax: (608) 355-4440

www.co.sauk.wi.us

February 14, 2013

Lake Planning Grant Selection Committee Wisconsin Department of Natural Resources P. O. Box 7921 Madison, WI 53707

Re: Support for Lake Delton Planning Grant Application

The Sauk County Conservation, Planning, and Zoning Department fully support the Village of Lake Delton in their efforts to apply for the Wisconsin Department of Natural Resources Management Planning Grant. This department understands the need to properly manage and maintain our lakes for future generations. The grant monies will assist Lake Delton in creating a Lake Management Plan for current and future issues facing the lake. This application is therefore recognized as an important part of all our conservation efforts in Sauk County.

Sincerely,

Brentt P. Michalek

Sauk County Conservationist and Director

Conservation, Planning, and Zoning Department

Sauk County