

3

Green Lake
SAL - CTH K

Small-Scale Ranking Questions
Ranking/Activities Sheet
2013

For DNR use only. Provided for informational purposes to the applicant.

Instructions: Select **one** specific category (IA through D) which best describes the project for which funding is being requested and rank the project using the criteria listed. Then also answer questions II and III to complete the ranking and total the score. Be careful to note if all or only one answer is to be checked for each question.

- Lake meets minimum boating access standards of s. NR 1.91 (4) or existing facilities are sufficient to meet existing public demand for access.

I.A. Monitoring Projects. Projects that collect and report chemical biological and physical data about lakes to monitor trends in lake ecosystem health or collect project specific information. **When ranking projects, the Department shall consider the utility of the data and information that will be generated for assessing lake ecosystems determined as follows:**

(check only one that applies)

- _____ 5 pts. 1) The lake is recommended for monitoring in a Department's approved plan and currently not being monitored. (New project)
- _____ 4 pts. 2) The lake is NOT recommended for monitoring in a Department-approved plan but recent local management need has been identified, e.g. planning or management actions are being initiated or conducted that will be supported by the data to be collected.
- _____ 3 pts. 3) The project will continue a monitoring effort on a lake that is recommended for monitoring in a Department-approved plan.
- _____ 2 pts. 4) The lake is NOT recommended for monitoring in a Department-approved plan AND no planning or management actions are conducted but no data is currently available for lake.
- _____ 1 pt. 5) The project will monitor a lake that is NOT recommended in a Department-approved Plan and is of limited utility.

Explanation:

I.B. Lake Education Projects. Projects that will assist management units in collecting and disseminating existing information about lakes for the purpose of broadening the understanding of lake use, the lake community, lake ecosystem conditions and lake management techniques. **When ranking projects, the Department shall consider the degree to which the project will enhance knowledge and understanding of lake ecosystems determined as follows:**

(check all that apply)

- _____ 1 pt. 1) Creates a partnership between a lake organization and youth organization and implements an Adopt-a-Lake, Project WET or similar activity.
- _____ 1 pt. 2) Seeks to inform the community about a specific lake management issue, management project or creates a lake history.
- _____ 1 pt. 3) Project results will be presented to a lake organization meeting and a local unit of government.
- _____ 1 pt. 4) Project results will be presented to a lake organization meeting a local unit of government AND the general public via community forums, lake fairs, press releases, newsletter articles or signage.
- _____ 1 pt. 5) Provides information on lake ecosystems that has regional or statewide significance or audience.

Explanation:

I.C. Organization development projects. Projects that will assist management units in the formation of goals and objectives for the management of a lake or lakes. **When ranking projects, the Department shall consider the degree to which the project will assist local decision-making and provide for the formation of goals or a strategy to protect a lake or lakes and lake ecosystems as determined as follows:**

(check all that apply)

- _____ 2 pt. 1) The project will result in the formation of management goals and objectives or a strategy for the management of a lake or lakes.
- _____ 1 pt. 2) The project will provide results that assist local decision-making affecting lake management on a specific topic or issue.
- _____ 1 pt. 3) Provides training for management unit representatives on a topic of relevance to unit's lake management activities.
- _____ 1 pt. 4) The project will enhance the capacity or effectiveness of a lake management unit.

Explanation:

I.D. Studies, assessments and other activities. These projects will implement or augment management goals or management plan recommendations for a lake or lakes or result in obtaining information needed to develop or refine management goals and objectives. **When ranking projects, the Department shall consider the degree to which the project will likely result in significant improvement in the management of a lake or lakes and lake ecosystems as determined by:**

(check all that apply)

2 2 pts.

1) Project completes an element of a comprehensive lake management plan with recommendations for implementation i.e. aquatic plant management plan, tributary monitoring/assessment, shoreland restoration plan, etc.

1 1 pt.

2) The project is recommended or identified as a need in a local or department resource plan.

1 1 pt.

3) The project help to resolve issues and inform decision-making within the lake management unit on a specific topic.

silver erk restoration

1 1 pt.

4) The project implements or tests an innovative management technique with applicability to other lakes.

K comparison

Explanation:

II. When ranking projects the Department shall consider the degree of public access to the lake as determined as follows:

1 1 pt.

Lake exceeds minimum boating access requirements or meets minimum boating access requirements and the lake has significant other non-boating public access opportunities such as swimming beaches, parklands or public piers.

Explanation:

III. When ranking projects the Department shall consider whether this is a first-time small-scale project for a lake.

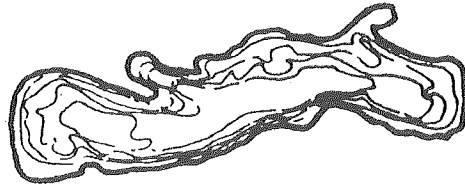
 1pt.

GREEN LAKE SANITARY DISTRICT

P.O. Box 417

GREEN LAKE, WISCONSIN 54941

TEL. (920) 295-4488 FAX (920) 295-3111



April 25, 2013

Wisconsin Department of Natural Resources
Attn: Mr. Ted M. Johnson, WDNR – Lake Coordinator
Wautoma Office
427 East Tower Drive, Suite 100
Wautoma, WI 54981

RE: Submittal of Small-Scale Planning Grant – Green Lake Sanitary District

Dear Ted:

As you are aware, in recent discussions with Dave Bartz and Mark Sesing, our fish manager has recommended that we pursue a Lake Management Small-Scale Planning Grant to better gauge and understand the Nearshore Fishery for both Big Green Lake and its estuaries. This information will also be useful as we tackle one of our top priorities identified for 2014, namely the revitalization of the County K Estuary.

Obviously, this grant came up rather quickly over the past couple weeks so I am placing our (GLSD) trust and confidence in our LMP Teammates that the information obtained through this grant is helpful and productive as we move forward with our dynamic Lake Management Plan.

As always, if you have any questions or desire additional information, please feel free to contact me at (920) 291-6688 at your convenience.

Sincerely,

Charlie Marks
Administrator
Green Lake Sanitary District

Encl.

CC: Dave Bartz
Mark Sesing

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

Lake Management Planning Grant

Check one:

Large-scale planning grant

Small-scale planning grant

Check one:

Lake education

Organizational development

Other study or assessment, or multiple-purpose project

Lake Management Protection Grant

Check one:

Wetland restoration

Ordinance development

Lake improvement

Lake classification

Land or easement acquisition

Legislative District Numbers	
Senate	Assembly
14	41

To determine your legislative district, go to <http://165.189.139.210/WAML/>
Type in complete address, next screen shows information.

Section II: Applicant Information

Applicant Green Lake Sanitary District			Type of Eligible Applicant		
Lake Name Green Lake (Big Green)		Size in Acres 7,346.00	<input type="checkbox"/> County	<input type="checkbox"/> Tribe	<input type="checkbox"/> Other Governmental Unit
Project County/Township/Section/Range Green Lake County			<input type="checkbox"/> City	<input checked="" type="checkbox"/> Sanitary District	<input type="checkbox"/> Non Profit Conservation Organization
Authorized Representative Named by Resolution Charlie Marks			<input type="checkbox"/> Village	<input type="checkbox"/> Lake District	<input type="checkbox"/> School Districts (Planning)
Authorized Representative Title Green Lake Sanitary District Administrator			<input type="checkbox"/> Town	<input type="checkbox"/> Lake Association	
Address PO Box 417			Project Contact Name Mark Sesing		
City Green Lake			Project Contact Title Lake Management Consultant		
State WI			Address W3910 Echo Lane		
ZIP Code 54941			City Campbellsport		
Daytime Phone (area code) (920) 291-4488			State WI		
Evening Phone (area code) (920) 291-6688			ZIP Code 53010		
Daytime Phone (area code) (920) 291-4488			City Campbellsport		
Evening Phone (area code) (920) 291-6688			State WI		
E-mail Address GLSD@Glakesd.com			Daytime Phone (area code) (920) 948-9198		
			Evening Phone (area code) (920) 948-9198		
E-mail Address GLSD@Glakesd.com			E-Mail Address sesinm@yahoo.com		

Mail Check to: (if different from applicant)

Name and Title		Address	
Organization		City	State
		ZIP Code	

For DNR Use Only

Application Type	Date Received	Date Reviewed (LC)	Lake Coordinator Approval / Date
Waterbody ID#	Adequate Public Access <input 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	
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

Section III: Project Information

Project Title Nearshore Fishery Appraisal	Proposed Ending Date
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Other Management Units Around Lake	Letter of Support	Other Management Units Around Lake	Letter of Support
1. Green Lake County LWCD	<input checked="" type="checkbox"/>	4.	<input type="checkbox"/>
2. Green Lake Association	<input checked="" type="checkbox"/>	5.	<input type="checkbox"/>
3.	<input type="checkbox"/>	6.	<input type="checkbox"/>

Section IV: Lake Access

Number of Public Vehicle Trailer Parking Spaces Available at Public Access Sites: 125

Number of Public Access Sites on Lake Including Boat Launches and Walk-ins: 12

Section V: Cost Estimate and Grant Request

Section V must be completed or application will be returned. Details in support of Section V are welcome.	Project Costs		
	Column 1 Cash Costs	Column 2 Donated Value	DNR Use Only
1. Salaries, wages and employee benefits			
2. Consulting services	4,000.00	800.00	
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		400.00	
9. State Lab of Hygiene (SLOH) Costs			
10. Non-SLOH Lab Costs			
11. Land or easement acquisition value			
12. Associated acquisition costs			
13. Other (specify) Travel miles (\$385) & 25 hrs volunteer @ \$12/hr (\$300)		685.00	
14. Subtotals (sum each column)	4,000.00	1,885.00	
15. Total Project Cost Estimate (sum of column 1 plus sum of column 2)	5,885.00		
16. State Share Requested (calculate based on State share listed below)			

Subject to the following maximum grant amounts:

- Large-scale lake planning projects--up to \$25,000 - 67% State share
- Small-scale lake 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:

Section 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

B. 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

C. Wetland Restoration Projects:

- 1. Deed, easement, or land control agreement
- 2. Preliminary engineering plans
- 3. Water regulatory permits
- 4. Map of project location and boundaries

D. Ordinance Development Projects:

- 1. Inventory of applicable existing ordinances
- 2. Description of resources each jurisdiction allocates to enforcement
- 3. Preliminary surveys

E. Lake Improvement Projects:

- 1. Engineering and design plans
- 2. Water regulatory permits
- 3. Map of project location and boundaries

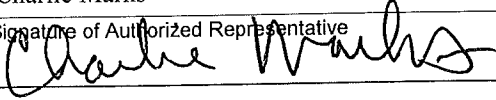
Section VI: Attachments, continued

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, if applicable
- 7. Agricultural Impact Statement, if applicable
- 8. Status of acquisition negotiations, including expected time frame for closing
- 9. A land management plan
 - a. Full description of property and conditions
 - b. Description of current and proposed uses of property and adjoining properties
 - c. Management requirements for property
 - d. If roads, piers or grading are proposed, a topographic survey with feature locations, and design cross sections

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 Charlie Marks	Title of Authorized Representative Green Lake Sanitary District Administrator
Signature of Authorized Representative 	Date Signed January 24, 2014

Near Shore Fishery Characterization on Green Lake

Description of problem to be addressed by project:

1) Evaluation Monitoring for CTH K Marsh Restoration - At Green Lake, tributary marsh areas are critical for supporting water quality, fish, and wildlife. CTH K marsh (aka County Park marsh) lying in the southwest quadrant of the lake, is a 400 acre tributary area presently degraded due to benthivorous fish (carp, bullhead) and poor tributary water quality. At present, various strategies are to be employed to restore the marsh functions. One important aspect of the restoration being the fishery, it will be critical to evaluate conditions before and after anticipated restoration actions (carp harvest and/or rotenone). Project evaluations for restoration activities are important for understanding efficacy of designated actions. While many evaluation projects focus on traditional eutrophication indicators (P, Chl a, Sechhi) and aquatic plants, other ecological indicators i.e. nearshore fish are often overlooked. As part of the evaluation, index sites within the Silver Creek estuary/marsh will also be established. This will allow for comparative data for Silver Creek and CTH K marshes.

2) Baseline Monitoring for Green Lake - Little is known of nearshore fish populations on the main basin of Green Lake. This group is represented by the minnows and other small forage species. Their sensitivity to environmental conditions is analogous to the canary in the coal mine. These sensitive fish populations provide important ecological linkages that may reveal lake ecosystem stresses even before traditional TSI parameters reveal water quality problems. Nearshore fish populations can be diverse and represented by Endangered, Threatened, Special Concern and other intolerant groups. Periodic inventories of nearshore fish populations are needed to assess species richness, status of environmentally sensitive species and reflect ecosystem health. While Green Lake and its watershed likely support State endangered/threatened fish species, baseline populations remain unknown.

Discussion of project goals and objectives: Evaluate the status of nearshore fish populations including species richness, environmentally sensitive species and presence/absence of NHI species. Evaluate factors that may be affecting species diversity, rare and endangered species and the overall ecological balance in the lake. Review existing information on species status.

Description of methods and activities: Nearshore fish population sampling will include small mesh seining, towed DC electro-shocker, minnow traps and small mesh dip netting. The combination of sampling gear is needed to effectively sample the different habitats and behaviors of diverse fish populations. All specimens will be immediately released after field identification and enumeration except when immature specimens require further review. The fish surveys are designed to sample populations of nongame species and juvenile stages of sport fish. The surveys are indicators of ecological diversity and distribution of fishes that inhabit nearshore areas within floodplain habitats. This type of survey will not evaluate the growth rates, size distribution or population densities of sport fish populations. Approximately 15 sites collectively will be evaluated in the marshes and lake basin.

Review files information from WDNR, Green Lake Sanitary District and other potential repositories.

A variety of sampling sites will be identified for sampling along the lake shoreline and tributaries. Additional information collected will include GPS coordinates, estimating habitat types: Woody debris, aquatic vegetation and rock (High=3, Medium=2, Low=1, Absent=0). Water temperature and dissolved oxygen data will be collected with a YSI Model 52 meter. Specific conductance and pH data will be measured with a YSI Model 63 meter.

Description of project deliverables: Updated nearshore fish community database, analysis comparing with previous surveys results, assessment of potential or likely environmental factors contributing to status of nearshore fish populations, intolerant species and NHI species. A final report will be prepared by December 31, 2014

Description of data to be collected: List of species collected and identified, environmental conditions including summary of site habitat conditions, vertical d. o., temperature, pH and specific conductance.

Description of existing and proposed partnerships: Green Lake Sanitary District, Wisconsin DNR Bureau of Endangered Resources, WI Lakes Partnership, WI DNR Fish Management.

Discussion of role of project in planning and/or management of lake: This information is critical for a comprehensive analysis and planning perspective and assists WDNR Endangered Resources in analysis of the state of Species of Greatest Conservation Need, Critical Habitat Designations and recommendations for shoreline habitat management.

Timetable for implementation of key activities: Identify survey sites, review existing database and submit inquiries data inquiries to partners as needed (May 2014). Conduct nearshore fish population surveys including small mesh seining, minnow traps, dip netting and towed DC electroshocking in June and August 2014. Complete data analysis and prepare final report by December 31, 2014.

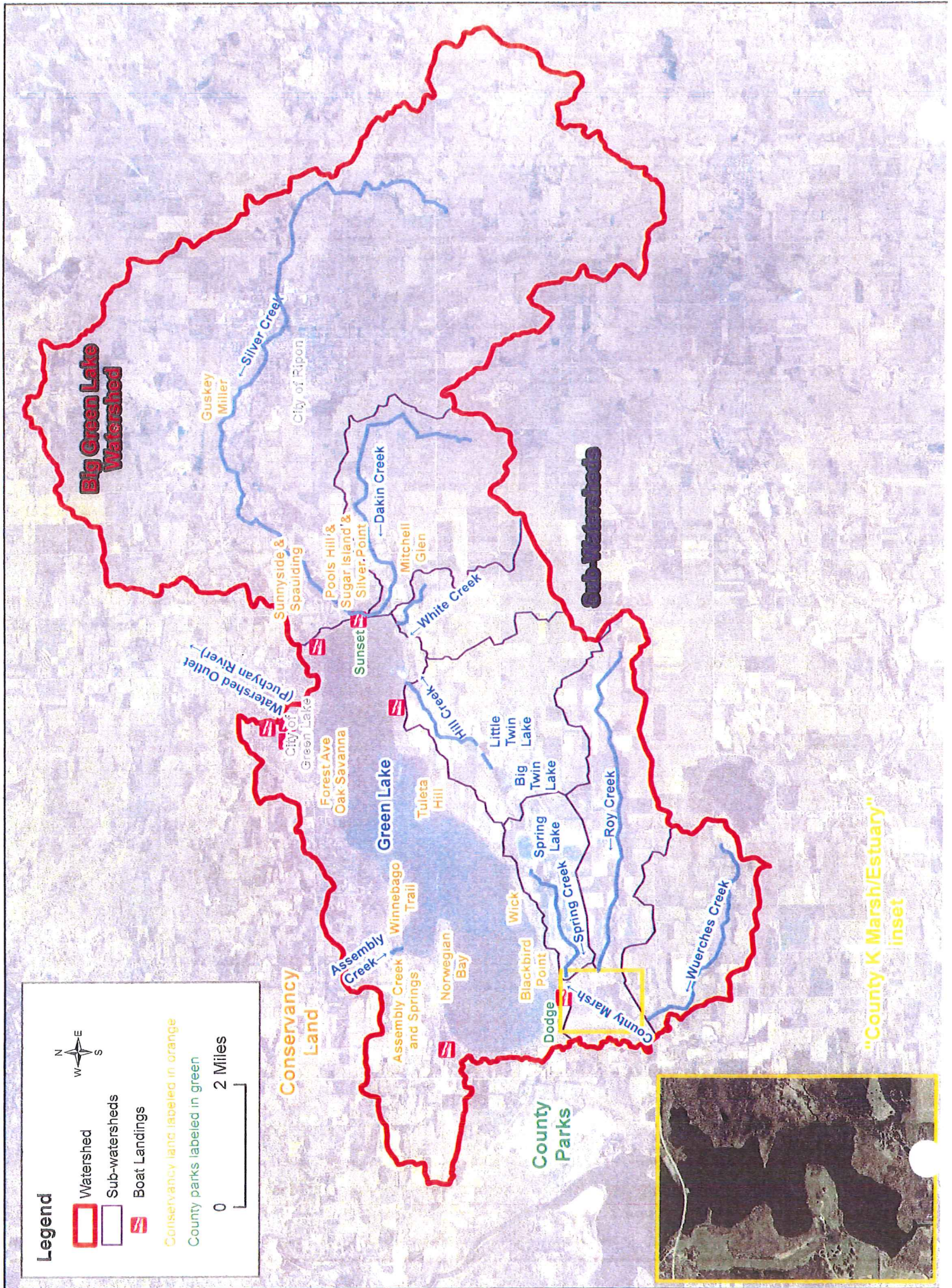
Plan for sharing project results: Fact sheets will be prepared for partner and media distribution.

Additional information:




Budget

Cost Item	State Cost	In-kind match
Surveys, files search, data analysis, report \$80/hr. at estimated 60 hours	\$3000	\$800.00 donated \$1,000.00 cash
Mileage @ \$0.55/mi at estimated 700 mi.		\$385.00
Donated equipment use		\$400.00
Volunteer time @ \$12/hr. at estimated 25 hrs.		\$300.00
Subtotals	\$3,000.00	\$2,885.00
Total Grant Cost		\$5,885.00

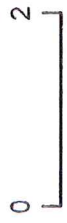
Map IV.1



Legend

-  Watershed
-  Sub-watersheds
-  Boat Landings

Conservancy land labeled in orange
 County parks labeled in green



"County K Marsh/Estuary" inset

**GREEN LAKE SANITARY DISTRICT
Green Lake County, Wisconsin**

**Department of Natural Resources
Grant Project Resolution 2014-01**

Nearshore Fishery Appraisal Resolution

WHEREAS Big Green Lake in Green Lake County is an important resource used by the public for recreation and enjoyment; and

WHEREAS we recognize that a well-planned and holistic lake and nearshore fishery appraisal project will better the lake now and for future users; and

WHEREAS the nearshore fishery appraisal information is important to the health and well-being of the lake moving forward; and

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

IT IS, THEREFORE, RESOLVED THAT:

The Green Lake Sanitary District requests the funds and assistance available from the Wisconsin Department of Natural Resources and

HEREBY AUTHORIZES Charlie Marks to act on behalf of the Green Lake Sanitary District to: Submit an application to the State of Wisconsin for financial aid for the tasks identified in the nearshore fishery appraisal project; sign documents; and take all necessary action steps to undertake, direct and complete an approved grant.

BE IT FURTHER RESOLVED THAT the Green Lake Sanitary District will meet the obligations of this project including the timely publication of project results.

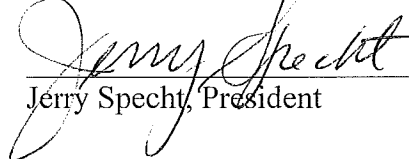
We understand the importance of a continuing management program for Big Green Lake and we intend to proceed on that course.

Passed and adopted this 23rd day of January 2014, at a duly convened meeting of the Board of Commissioners of the Green Lake Sanitary District, at Princeton, Wisconsin.


Roll Call on Resolution 2014-01

Ayes 3 Nays 0

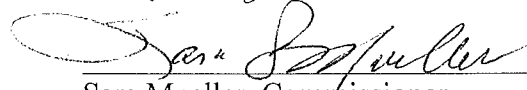
GREEN LAKE SANITARY DISTRICT



Jerry Specht, President



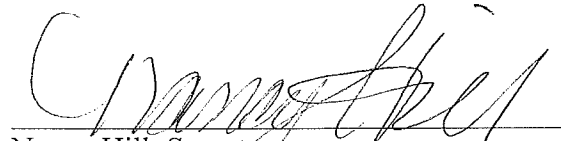
Nancy Hill, Commissioner



Sara Mueller, Commissioner

CERTIFICATION

The undersigned Nancy Hill certifies that this Order was duly adopted by the Green Lake Sanitary District Board of Commissioners on January 23, 2014 by a vote of 3 Ayes and 0 Noes.



Nancy Hill, Secretary



GREEN LAKE COUNTY

Department of Land Conservation

571 County Road A
PO Box 3188
Green Lake, WI 54941-3188

Phone: 920-294-4051
FAX: 920-294-4056
Email: gllwcd@co.green-lake.wi.us

January 23, 2014

Charlie Marks
Green Lake Sanitary District
PO Box 417
Green Lake, WI 54941

RE: Support letter for the Green Lake Sanitary District's Near Shore Fishery Characterization on Green Lake project

Dear Charlie:

The Green Lake Land Conservation Department has been a long term partner with the Green Lake Sanitary District in its goal of protecting the water quality of Green Lake. As that partner, we realize the importance of the tributary marsh areas in their role for supporting water quality, fish, and wildlife.

The proposed project by the Green Lake Sanitary District in evaluating the near shore fish populations within the CTH K and the Silver Creek marshes would provide needed environmental information to assess factors that may be affecting species diversity, rare and endangered species, and the overall ecological balance in Green Lake.

The Green Lake Department of Land Conservation fully supports the proposed project and recommends that the Wisconsin Department of Natural Resources awards the lake management planning grant for the evaluation of the Near Shore Fishery Characterization on Green Lake to the Green Lake Sanitary District.

Sincerely,

Paul D. Gunderson
County Conservationist



GREEN LAKE ASSOCIATION

CARING FOR OUR LAKE FOR GENERATIONS

January 21, 2014

Re: Green Lake Association Support Letter for the Green Lake Sanitary District's Near Shore Fishery Characterization on Green Lake

To: Lake Planning Grant Officials

On behalf of the Green Lake Association (GLA) and our Board of Directors, I am writing this letter in support for the Green Lake Sanitary District (GLSD) and their efforts to procure funding to be used for the evaluation and monitoring of near shore fish populations in the CTH K Marsh.

As summarized in the Lake Management Plan (LMP; February 2013) for Green Lake, the restoration of the CTH K Marsh is a 2014 focus priority for multiple LMP partner organizations. Current conditions of poor water quality and persistent populations of carp and bullhead fish species in the CTH K Marsh have resulted in a eutrophied system that contributes excessive phosphorus loads to Green Lake proper.

The proposed initiative by the GLSD is an important component in evaluating the efficacy of restoration initiatives that will help to better inform potential future restoration initiatives at the site. Little is currently known about existing near shore fish populations in the CTH K Marsh, so periodic evaluation of these environmentally-sensitive fish species will serve as a beneficial ecological indicator. Further, this project allows for comparison of the CTH K Marsh to the recently-restored Silver Creek Marsh, which serves as a useful restoration model for the CTH K Marsh restoration initiative.

The Green Lake Association recommends that a WDNR Lake Management Planning Grant be awarded to the Green Lake Sanitary District for their near shore fishery characterization.

Sincerely,

Stephanie Prellwitz
Executive Director
Green Lake Association