# **FINAL REPORT**



# **Green Lake Social Science Assessment**

Grant #: LPL157916













# EXECUTIVE SUMMARY: GREEN LAKE SOCIAL SCIENCE ASSESSMENT

**Green Lake Social Science Assessment** 

Grant #: LPL157916 December 31, 2017

# I. Background and Introduction

The WDNR awarded the Green Lake Association a \$9,999 Lake Planning Grant (Grant # LPL157916) in March 2016 to conduct a social science survey of farmers and landowners within the Green Lake watershed. Aaron Thompson from the University of Wisconsin – Stevens Point guided this work in collaboration with the Green Lake Association and members of the Lake Management Planning Team for Green Lake.

Lake Management Planning partners have been aggressively implementing agricultural best management practices (BMPs) in the Big Green Lake watershed. While these practices are beneficial for nutrient reductions, the scale and location of these efforts have not been associated with water quality goals or any sort of prioritization model. In response, the Green Lake Association recently completed a Phosphorus Prioritization Plan to identify 12 nutrient loading priority areas in the watershed. The purpose of the Phosphorus Prioritization Plan is guide BMP decision-making, so that BMPs can first be implemented in the watershed where they are most needed based on erosion vulnerability.

However, this hypothetical exercise, while useful, relies on voluntary landowner participation on private property for its success. The willingness of landowners to implement BMPs on his/her property is not well understood, as these decisions are made based on a spectrum of beliefs and attitudinal factors.

The purpose of this survey is to better understand agricultural stakeholders responsible for and impacted by watershed management decisions. This project aimed to:

- 1. Identify obstacles of watershed improvements,
- 2. Provide clarity for landowners' priorities,

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- 3. Ultimately increase participation in conservation programs,
- 4. Foster reductions in external loading from agricultural lands, and
- 5. Guide watershed management decisions to support implementation of water quality management efforts in the Green Lake watershed.

# II. Project Summary

This project utilized a farmer survey to develop a social profile of agricultural landowners to understand current behaviors (i.e. adoption of conservation practices), assess attitudinal factors motivating support or opposition to watershed management, and inform discussion of governance alternatives (i.e. support for farmer-led initiatives) for decision-making about conservation.

Data was collected using an eight-page mail questionnaire administered using a five-contact contact process with a follow-up non-response bias questionnare. Agricultural landowners were recruited to participate in the voluntary survey using the following contacts:

- 1. Advance Letter (Page 22)
- 2. Survey Packet #1 (Page 24)
- 3. Reminder Postcard #1 (Page 33)
- 4. Survey Packet #2
- 5. Reminder Postcard #2
- 6. Non-Response Bias Survey (Page 36)

Surveys were sent to **459 landowners** within and just beyond the 107 square mile extents of the Big Green Lake watershed. Over **184 surveys** were returned, representing a **40.1% response rate**. Of those 184 surveys, 38.8% were from individual landowners, 30.3% from business addresses and LLCs and 48.5% from living and revocable trusts. An additional 39 non-response bias surveys (14.2%) were returned, totaling 223 valid responses.

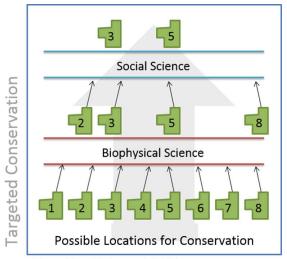
# III. Major Conclusions

A detailed summary of the Green Lake Social Science Assessment begins on Page 39.

### CONCLUSION #1: RESPOND TO SOCIAL CONDITIONS ON THE GROUND

In order to support the development of landscape strategies based on the social science assessment, participants were asked to provide an approximation of their location. These results were then summarized into seven areas of the watershed to maintain confidentiality. Rough 60% of survey respondents (111 individuals) provided enough information to locate their approximate area of the watershed. The result is seven unique areas representing responses from more than 25,000 acres of agricultural lands in the Green Lake watershed. For each area, a landscape strategy is presented considering: Barriers to conservation, practices, trusted partners and willingness for a farmer-led approach.

# CONCLUSION #2: INTEGRATE SOCIAL AND ECOLOGICAL DATA



Adapted from Walter et al. (2007)

Lake Management Planning team members have a series of biophysical science data – including the Phosphorus Prioritization Plan and stream buffer assessment survey, among other data – that identify where landscape strategies can effectively resolve or mitigate conditions that are leading to impairments on local waterways. To maximize participation and water quality results, the social and ecological data should be integrated in future studies to allow for identification of areas where priority areas for BMPs and willing landowners intersect.

### CONCLUSION #3: BUILD RELATIONSHIPS AND AWARENESS

The survey results confirmed anecdotal evidence conveyed by partners through experience that efforts of the Green Lake Association to address water quality are not widely known or understood by the agricultural community. Only about 1 in 3 agricultural landowners are familiar with the Green Lake Association. Efforts to address this challenge must continue to focus on building these relationships through:

- Continuing to create outreach opportunities, such as the recent Green Lake Area Conservation Field Day and Green Lake producer video documentary (Video link here: https://tinyurl.com/GreenLakeFarmers2017).
- Investing in expanding Green Lake Association efforts, or supporting other community (non-governmental) programming to coordinate conservation.



# CONCLUSION #4: RESPOND TO EMERGING OPPORTUNITIES

#### Support for Women Who Own Farmland

The prevalence of non-farming households (landlords) in the Green Lake watershed presents unique challenges. For Green Lake, this type of landowner is also more likely to be older and has a higher percentage of females. This presents an excellent opportunity to include a new group in the conversation – specifically, female landlords – while also addressing the challenge that only one in four landlords have clear plans for the future of their land. Green Lake is not completely unique and existing "women in agriculture" programs could be contacted for support and resources.

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### Building Relationships with the Next Generation

While the average age of those surveyed is over 60 years, it is important to note that active farms (especially high sales) had a slightly lower age and that 70% plan to have a family member continue their operation in the future. If the Green Lake Association and/or Lake Management Planning Team wants improved relationships with farmers in the future, it is important to begin investing in relationship building with the next generation today. This may include efforts through 4-H or FFA programming to youth, but perhaps most importantly is focusing on identifying ways to support producers who are actively transitioning into farm management roles.

## CONCLUSION #5: DEFINE "CONSERVATION AGRICULTURE" FOR GREEN LAKE

A more detailed landscape plan for Green Lake, developed with input from agricultural stakeholders, could provide a stronger plan for protection of Green Lake. This may provide some needed clarity for agricultural landowners regarding what is being asked of them to protect local waterways. Additionally, the survey revealed the following design challenges:

- Unlike production area practices (high experience and interest), riparian area practices did not generate
  significant interest from landowners. There is a belief that they are beneficial to the watershed.
   However, how do we improve the design of these practices so that they are acceptable and generate
  interest from landowners?
- Related to the landscape-scale challenge above, how can we show agricultural landowners in the future
  what we need in order to protect Green Lake? Would partnering with a few landowners in the
  watershed to work through design challenges benefit all outreach efforts?

# IV. Next Steps

- 1. Share results with and get feedback from the Green Lake Management Planning Team on January 25, including emerging opportunities (i.e. women in agriculture, legacy planning and conservation agriculture definitions).
- 2. Investigate the possibility of pursuing funding for "layering" the Phosphorus Prioritization Plan and Green Lake Social Science Assessment to maximize success of conservation practice adoption.
- 3. Continue to host the Green Lake Area Conservation Field Day and other outreach strategies in the Green Lake watershed.



**Green Lake Social Science Assessment** 

Grant #: LPL157916

State of Wisconsin Department of Natural Resources Box 7921 Madison, WI 53707-7921

# **Grant Payment Request**

Form 8700-001 (R 3/15) Page 1 of 2

**Notice:** Project Sponsors are required to provide information requested on this form when applying for payment of a grant funded by the Department. See Reporting Requirements on reverse. The Department will not process your payment request unless you provide all information requested. This information will be used to determine the amount of your payment and issue your check. Personally identifiable information collected will be used for program administration and may be made available to requesters as required under Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.].

Submit one copy of this request form, your completed Grant Payment Worksheet (Form 8700-002), and required documentation, listed on reverse, to your DNR Grant Specialist. See the DNR web site for additional information: http://dnr.wi.gov/Aid

Project Sponsor Information							
Project Sponsor / Management Unit Name			Gra	int Num	ber		
Green Lake Association					LPL	.157916	
Project Name				unty	.l.a		
Green Lake Social Science Assessment		Type of	Request:	een La	аке		
The DNR will mail the check to the name ident as "Check Recipient." Questions? Contact DN		Туре от		O Pa	rtial	Final	
Payment Information (see reverse for instruc	tions)	VALUE OF		The last		BEST SERVICE	
A. Payment Record to Date			Amount		This Colu	ımn for DNR Use Only	
Amount of Grant (from original or amended	Grant Agreement)		9,999	9.00			
2.a. Advance Payment Received, if any	7,499.25						
2.b. Total Payments Received <b>after</b> Advance Payment (if any) or Escrow Payment	0.00						
2.c. Total Payments Received to Date (Lines 2	.a. + 2.b.)		7,499	9.25			
3. Funds Remaining (Line 1 minus Line 2.c.)			2,499.75				
B. Cost Share Amount							
Total Eligible Project Costs this Period. Trail     Project Costs" field on Worksheet (Form 87)		\$	17,363	3.23			
5. Your Share of Costs. See Line 5 instruction	ns on reverse.	\$	5,729	9.87			
6. State Share of Costs (Line 4 minus Line 5) NOTE: This line cannot exceed the amount in L	ine 1.	\$	9,999	9.00			
C. This Payment Request and Grant Balance	Remaining						
7. Amount of Advance Payment Received (fro advance payment received or already accounts)		\$	7,499	9.25			
8. Amount Eligible this Claim (Line 6 minus Lin NOTE: This line cannot exceed the amount in L		\$	2,499	9.75	Amount ap this claim	proved →	
9. Grant Balance Remaining (Line 3 minus Lin	ne 8)	\$	0	0.00		4	
Lake & River Grants Only: Does project include	State Lab of Hygiene S	ample Aı	nalysis? ()	Yes	No		
Certification							
I certify that, to the best of my knowledge and belief, expenditures are based on actual payments of record							
Name of Authorized Representative - type or print			(Area Code) T				
Stephanie Prellwitz				(920) 294-	6480		
Signature of Authorized Representative			(Area Code) FAX Number				
Sofrano Prelluria			NA				
Date Signed			Email Address				
Space Below this Line for DNR Use Only		Harrie de No	stephanie@g	greenla	keassociat	ion.com	
Grant Specialist Signature			Reimburseme	nt Appr	oval Date		

#### INSTRUCTIONS

# **Grant Payment Request**

Form 8700-001 (R 3/15) Page 2 of 2

Line 1: Amount of Grant (from original or amended Grant Agreement). Enter amount on the first page of your grant agreement, often called "State Aid Amount" or "Total Project Funds Awarded."

- Line 2. A: Advance Payment Received, if any. Some grant programs allow project sponsors to request up-front grant funds (advances) at the beginning of the grant period, even before expenses are incurred. If you had no advanced payment, enter \$0 on line 2.A. If you received an advance, this amount is generally on the signature page of your grant agreement.
- Line 2. B.: Total Payments Received after Advance Payment (if any) or for Escrow Payment. Some grant programs allow partial payments after the advance payment was received. If you have received partial payments, enter the total amount of all payments after the Advance Payment on line 2.B. If you received an escrow payment, enter amount on this line.
- Line 2. C.: Total Payments Received to Date. Enter the total amount of lines 2. A. + 2. B.
- Line 3. Funds Remaining. This amount is the balance of your grant award after subtracting all payments made before the date of this request.
- Line 4. Total Eligible Project Costs this Period. Transfer amount from "Total Project Cost" field on Grant Payment Worksheet, Form 8700-002. This is the total of all eligible expenses claimed for this payment request.
- Line 5. Your Share of Costs. This is the portion of eligible costs that are your responsibility. See your grant agreement. If your grant agreement shows "Fund Support" as a percentage instead of a \$ amount, complete steps 1 and 2 below:

Enter "Step 2 Total" in Line 5 on front. Questions? Contact your grant specialist.

- Line 6. State Share of Costs. This is the portion of eligible costs that are the State's responsibility (Line 4 minus Line 5). This amount cannot exceed the grant balance remaining, as shown on Line 3, or the amount of money expended by the grant sponsor.
- Line 7. Amount of Advance Payment Received. Some grant programs allow project sponsors to request up-front funds (advances) at the beginning of the grant period. The amount of your advanced payment needs to be supported with eligible expenses. Also list those expenses on your worksheet (Form 8700-002). If you did not receive an advance payment enter \$0 in this area. If your advanced payment has already been accounted for in a previous payment request, enter \$0 in this area. Do not list partial payments on Line 7.
- Line 8. Amount Eligible This Claim. Enter the amount you are requesting for this payment request. Do not include eligible expenses reimbursed through prior partial payments on this claim. On line 8, show the amount you calculate to be your payment on this claim. DNR staff will audit reimbursement claims before payment is sent.
- Line 9. Grant Balance Remaining. This is the amount of grant funds available to you for future partial payments. If your claim is a final reimbursement request, any balance appearing on Line 9 is not available for your use in the future.
- Lake & River Grants Only. Account for State Lab of Hygiene (SLOH) sample analysis. The amount of money available under your grant will be reduced by the amount of payments to SLOH.

#### REPORTING REQUIREMENTS

Under authorities cited, use of this form is authorized for the following grants.

- All-Terrain Vehicles: s. 23.33, Wis. Stats., and ch. NR 64, Wis. Adm. Code
- Clean Vessel: Sec. 5604 of the federal Clean Vessel Act of 1992
- County Conservation Aids: s. 23.09 (12), Wis. Stats., and ch. NR 50.14, Wis. Adm. Code
- Lake Planning: s. 281.68, Wis. Stats., and ch. NR 190, Wis. Adm. Code
- Lake Protection: ss. 281.69 and 281.71, Wis. Stats., and ch. NR 191, Wis. Adm. Code
- Land and Water Conservation Fund-Land Acquisition & Development: Act of 1965, Public Law 88-578, and ch. NR 50, Wis. Adm. Code
- · Landowner Incentive Program: ch. 58, subch. III, Wis. Adm. Code
- Recreational Boating Facilities: s. 30.92, Wis. Stats., and ch. NR 7, Wis. Adm. Code
- Recreational Trails: federal 1998 Transportation Equity Act for the 21st Century
- River Planning: ss. 281.70 and 281.71, Wis. Stats., and ch. NR 195, Wis. Adm. Code
- River Protection: ss. 281.70 and 281.71, Wis. Stats., and ch. NR 195, Wis. Adm. Code
- Sports Fish Restoration: Federal Aid in Sport Fish Restoration Act
- Stewardship (NCOs) Land Acquisition & Development: ss. 23.096 and 23.098, Wis. Stats., and ch. NR 51, Wis. Adm. Code
- Stewardship (Local Units of Government) Acquisition & Development: s. 23.09, Wis. Stats., and ch. NR 51, Wis. Adm. Code.
- Urban Wildlife Damage/Abatement Control (UWDAC) Program: ss. 20.370(5)(fr) and 29.887, Wis. Stats. and NR 50.23 Wis. Adm. Code.

#### REQUIRED DOCUMENTATION

Include one copy of the following attachments (\* if applicable) and other documentation required by your grant program.

#### ACOUISITION:

- Grant Payment Worksheet, Form 8700-002.
- 2. Copy of deed.
- 3. Copy of title insurance policy.
- 4. Closing statement/canceled check(s).
- 5. Offer to purchase.
- 6. Just compensation.
- 7. Statement of relocation payments.
- 8.\* WI Department of Commerce relocation statement.
- 9.\* Statement of program revenue; i.e., sale of buildings, etc.

#### DEVELOPMENT:

- 1. Grant Payment Worksheet, Form 8700-002.
- 2. Copy of invoices, vouchers and canceled checks.
- 3.\* Copy of bid specifications, certified bid tabulations, accepted bid proposal(s), contracts and change orders.
- 4.\* Force account labor/equipment records.
- 5.\* Donation labor/equipment records.
- 6.\* Copy of affidavit of publication or bid notice.

## MAINTENANCE:

- 1. Grant Payment Worksheet, Form 8700-002.
- 2. Copy of vendors invoices, vouchers and canceled checks.
- 3.\* Copy of bid specifications, certified bid tabulations, accepted bid proposal(s), contracts and change orders.

Certification: This payment request cannot be processed unless this form is signed by the authorized representative named in your resolution.

Questions? Contact your grant specialist at the DNR. That person is identified in the cover letter of your grant agreement.

State of Wisconsin Department of Natural Resources Community Financial Assistance

# **Grant Payment Worksheet**

Form 8700-002 (R 8/03) Page 1 of 1

**Notice:** Information requested on this form is required by the Department when applying for a reimbursement of eligible expenses. The Department will not consider your payment request unless you complete and submit this form.

Instructions: Itemize all project expenses, including donated labor, and attach photocopies of proof of expenses and payments for each item listed. See reverse for instructions. Use additional worksheets as necessary, numbering each. Submit with Grant Payment Request, Form 8700-001, or specific grant reimbursement form, to your DNR Grant Specialist.

Project Sponsor / Management Unit Name Green Lake Association

**Grant Number** 

Does this grar	nt project includ	ie State Lab of H	ygiene sample analysis costs?	Yes ✓ No	LPL157916		
Date Expense Incurred	Invoice #	Proof of Payment #	Payee	Eligible Project Cost Description (Check Grant Agreement)	Amount Paid	Amount Donated	
05/01/2017	AAB9975-1	Check 7015	University of Wisconsin - Stevens Point	Supplies and services	2,006.00		
08/01/2017	AAB9975-2	Check 7016	University of Wisconsin - Stevens Point	Survey development, sample development,	12,585.68		
			1 TERMONE AND A STREET OF THE	survey printing and postage, processing			
	· · · · · · · · · · · · · · · · · · ·		University of Wisconsin-Stevens Point	Reimbursement for overpayment (Invoice AAB9975-2)	-1,733.25		
	Gre	Green Lake Association	Donated professional services		4,472.80		
Grant Begin D	eate Grant E	End Date			Paid Subtotal	Donated Subtotal	
02/15/201		/31/2017	Total Project Costs: Please s (Sum of Paid Subtotal and Do	sum all pages manually. nated Subtotal for all pages) \$ 17,363.23	12,858.43	4,472.80	

Form 8700-002 (R 8/03)

Use the worksheet to itemize all project expenses, including donated labor and donated expenses.

- · Attach photocopies of proof of expenses and payments for each item listed.
- Use additional worksheets as necessary. Include Grant Number on each sheet.
- Submit Worksheet(s) and attachments with Grant Payment Request, Form 8700-001, or specific grant reimbursement form, to your DNR Grant Specialist.

#### **Date Field and Column Definitions**

Date Expense Incurred: Date of invoice, purchase, or service rendered.

- · Costs incurred prior to the beginning date or after the ending date of the grant agreement are not eligible for reimbursement, except as noted below.
- · Exceptions: Certain land acquisition, design costs, and navigational aids may be available retroactively. Check with your DNR Grant Specialist.

Invoice #: Number on vendor invoice or bill associated with the purchase or service.

- Combined Costs: If an invoice combines costs for multiple grants or expenses, identify and explain specific costs associated with each grant expense. Attach a copy of this invoice, as well as proof of payment identified below. Use as many lines as necessary.
- Donated Expenses: Include invoice number if donated expenses are included on an invoice or bill. Otherwise, leave this field blank and go to "Proof of Payment" column.

Proof of Payment #: Number on check or money order used to pay the expense. If no proof of payment number, leave blank. Attachments required:

- Expenditure Proof of Payment Examples: Canceled check, with front side of check containing the amount of the check digitally printed by the bank under the signature line; Non canceled check with bank statement showing check cleared account; County payroll vouchers; Credit card statements. For acquisition expenditures, acquisition closing statements.
- Combined Proofs of Payment: If a proof of payment covers multiple expenses or grants, identify payments related to the particular grant expense on a copy.
- Donated Expenses: Volunteer Labor Log Sheet, or other donated labor/services documentation. Include volunteer names, type of work, hours worked, pay rate and totals. Log sheets require signatures of volunteer(s) and supervisor(s).

Payee: Name of consultant, contractor, vendor, supplier, etc. to whom payment was made.

Eligible Project Cost Description (Check Grant Agreement): Describe expense briefly. Include only eligible expenses as specified in the particular project grant application and grant agreement.

- · Acquisition Grant Possible Eligible Expense Examples: Land/Conservation Easement, Recording Fees, Appraisal, Title Insurance, etc.
- Development Grant Possible Eligible Expense Examples: Construction, Equipment Rental, Landscape seed, Mulch, Demolition, etc.
- Other Grant Type Possible Eligible Expense Examples: Materials, Supplies, Maintenance-Grooming; Maintenance-Signage, Maintenance-Other, etc.

Amount Paid: The amount of the project cost expense paid out-of-pocket. Enter only actual expenditures in this column.

Amount Donated: The amount of value for donated services, labor, equipment, etc. Enter donated amounts in this column.

Grant Begin Date /Grant End Date: Dates specified on the first page of your grant agreement or grant amendment.

Paid Subtotal: The sum of all paid expenditures listed in this column, on this page.

Donated Subtotal: The sum of the value of each donated item listed in this column, on this page.

Total Project Cost: (Paid Subtotals all pages) + (Donated Subtotals all pages) = Total Project Costs

- Enter this total on page one of the Grant Payment Worksheet.
- Transfer amount to line 4, "Total Eligible Project Costs This Period" of Form 8700-001, Grant Payment Request.

#### State of Wisconsin Department of Natural Resources Division of Forestry PO Box 7921, Madison WI 53707-7921 dnr.wi.gov

## **Donated Professional Services Used as Grant Match**

Form 8700-350 (R 12/15)

Page 1 of 7

NOTICE: Some DNR grant programs allow donated professional services to contribute toward the sponsor's match. Donated services are valued at market rate. If you choose to use donated <u>professional</u> services as part of your match, you may use this form to document those values. The value of donated professional services maybe also be documented with an invoice from the donor on business letterhead, including the donor's name and professional title, name and number of the grant project the services are contributed to, dates of work, nature of work, and hours logged by date multiplied by hourly rate. The invoice should include a statement verifying the value of the services is being donated to the project, and must include the donor's signature.

Either an invoice or this completed form must be submitted with the grantee's reimbursement request. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31-19.39, Wis. Stats.).

	DONATED VO		ABOR W	ORI	KSHEET -	1			
Last Name		First			M	11	DNR Grant	t Project Number	
Prellwitz		Stephanie					LPL1579	16	
Professiona		e a lav	Aces	,	Project Na				
Green Lake	Accordation Executive Direct	tor	51				Social Scienc		
selecting the c	me interval covered by this report by option that is a best fit. Doing so will	open i			orting ()			То	Rate
calendars from	n which you can select start and end	dates. Time F		orti		_ (	02/15/2016	12/31/2017	\$25.20
Date	Description of Work Perf	ormed	Hours		Rate*		Total	Signature of Donating	Professional
02/15/2016	Planning call w/ Aaron Thon	npson	1.0	Х	\$25.20	=	\$25.20		
09/23/2016	Planning call w/ Aaron Thon	npson	1.0	Х	\$25.20	=	\$25.20		
09/27/2016	Planning call w/ Aaron Thon	npson	1.0	х	\$25.20	=	\$25.20	-	
12/02/2016	Planning call w/ Aaron Thon	npson	1.0	Х	\$25.20	=	\$25.20		
12/09/2016	Planning call w/ Aaron Thon	npson	1.0	х	\$25.20	=	\$25.20		
03/03/2017	Conference call w/ Aaron Thre: LMP Team input for draf		3.0	v	\$25.20		\$75.60		
06/06/2017	Planning call w/ Aaron Thon		1.0	X	\$25.20		\$25.20		
	Planning call w/ Aaron Thon		1.0	X	\$25.20		\$25.20		
·	GLA Board Workshop Plann	-	1.5	Ĥ	\$25.20	H	\$37.80		
10/20/2017	Survey Results	ing ic.	1.3	х	Φ23,20	=	φ37.60		
10/25/2017	GLA Board Workshop re: Su Results	ırvey	4.0	х	\$25.20	=	\$100.80		
02/23/2016	Project Planning		1.0	х	\$25.20	=	\$25.20		
03/29/2016	Project Planning		1.0	х	\$25.20	=	\$25.20		
04/12/2016	Project Planning		2.0	х	\$25.20	=	\$50.40		
04/14/2016	Project Planning: Survey Me LMP Team	eting w/	4.0	x	\$25.20	=	\$100.80		
04/15/2016	Project Planning		1.0	х	\$25.20	=	\$25.20		
07/27/2016	Project Planning: UW-Stever Contract	ns Point	2.0	x	\$25.20	=	\$50.40		
11/29/2016	Project Planning		1.0	х	\$25.20	=	\$25.20		
01/16/2017	Project Planning		1.0	х	\$25.20	=	\$25.20		
01/26/2017	Draft Survey Review		2.5	х	\$25.20	=	\$63.00		
02/06/2017	Project Planning: UW-Stever Contract	ns Point	1.0	х	\$25.20	=	\$25.20		

Date	Description of Work Performed	Hours		Rate*		Total	Signature
02/28/2017	Project Planning: Prep for Draft Survey Conference Call w/ LMP Team	1.5	х	\$25.20	=	\$37.80	
04/25/2017	Communication with GLA Board re: Draft Survey	1.0	х	\$25.20	=	\$25.20	
05/01/2017	Project Planning	1.0	х	\$25.20	=	\$25.20	
05/18/2017	Project Planning re: Oral Interview Internships	2.0	х	\$25.20	=	\$50.40	
07/01/2017	Internship Training w/ Aaron Thompson	1.5	х	\$25.20	=	\$37.80	
10/24/2017	Review of Final Report	3.0	х	\$25.20	=	\$75.60	
11/21/2017	Communication w/ UW-Stevens Point re: Payment Schedul	1.0	х	\$25.20	=	\$25.20	
12/01/2017	Grant Closeout Planning w/ Aaron Thompson	1.0	х	\$25.20	=	\$25.20	
06/26/2017	Oral interview internship training	4.0	Х	\$25.20	=	\$100.80	
06/27/2017	Oral interview internship training	1.0	х	\$25.20	=	\$25.20	
06/28/2017	Oral interview overview	2.0	х	\$25.20	=	\$50.40	
08/01/2017	Oral interview video review	3.0	х	\$25.20	=	\$75.60	
08/02/2017	Oral interview video review	2.0	х	\$25.20	=	\$50.40	
06/23/2017	Project Planning: Oral Interviews	2.0	х	\$25.20	=	\$50.40	
07/07/2017	Project Planning: Oral Interviews	2.0	х	\$25.20	=	\$50.40	
07/21/2017	Project Planning: Oral Interviews	2.0	х	\$25.20	=	\$50.40	
08/04/2017	Project Planning: Oral Interviews	2.0	х	\$25.20	=	\$50.40	
	Total Value of Services Performed:	64.0			Species	\$1,612.80	

I certify that the donated services identified above have been perform	ed by a professional.
Stathamo Prellanta	12/18/17
Signature of Donating Professional	Date Signed
I certify that the donated services have been performed and that this	claim is fair and correct.
Q+0 = 1) 00 ·0	12/ 11/
Stephane Prellurty	12/8/17
Signature of Project Manager  NOTICE: Some DNR grant programs allow donated professional services	Date Signed*

NOTICE: Some DNR grant programs allow donated professional services to contribute toward the sponsor's match. Donated services are valued at market rate. If you choose to use donated professional services as part of your match, you may use this form to document those values. The value of donated professional services maybe also be documented with an invoice from the donor on business letterhead, including the donor's name and professional title, name and number of the grant project the services are contributed to, dates of work, nature of work, and hours logged by date multiplied by hourly rate. The invoice should include a statement verifying the value of the services is being donated to the project, and must include the donor's signature.

Either an invoice or this completed form must be submitted with the grantee's reimbursement request. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31-19.39, Wis. Stats.).

DONATED VOLUNTEER LABOR WORKSHEET - 2									
Last Name	First	MI	DNR Grant Project Number						
Lyke	Chris		LPL157916						

Form 8700-350 (R 12/15)

Page 3 of 7

Date	Description of Work Performed	Hours		Rate*		Total	Signature	Э
Professional	Title			Project Name				
Graan I ake	According Evacutive Director					Social Science		In .
selecting the o	ption that is a best tit. Doing so will open I	Quarterly f Period Rep	0.5	orting () F		n )2/15/2016	To 12/31/2017	Rate \$8.00
Date	Description of Work Performed	Hours	Orti	Rate*	T	Total	Signature of Donating	
•	Oral interview and farmer video prep	5.0	x	\$8.00	Ī	\$40.00	oignature of Denating	Tologolonai
-	Oral interview and farmer video prep	4.0	X	\$8.00	Н	\$32.00		
-	Oral interview and farmer video prep	4.0	X	\$8.00	=	\$32.00		
	Oral interview and farmer video prep	3.0	х	\$8.00	=	\$24.00		3
	Oral interview and farmer video prep	4.0	х	\$8.00	=	\$32.00		
06/13/2017	Oral interview and farmer video prep	4.0	х	\$8.00	=	\$32.00		
06/14/2017	Oral interview and farmer video prep	1.0	х	\$8.00	=	\$8.00		
06/15/2017	Oral interview and farmer video prep	4.0	х	\$8.00	=	\$32.00		
06/19/2017	Oral interview and farmer video prep	4.0	х	\$8.00	=	\$32.00		
06/20/2017	Oral interview and farmer video prep	8.0	х	\$8.00	=	\$64.00		
06/21/2017	Oral interview and farmer video prep	7.0	х	\$8.00	=	\$56.00		
06/22/2017	Oral interview and farmer video prep	2.5	х	\$8.00	=	\$20.00		
06/23/2017	Oral interview and farmer video prep	6.0	Х	\$8.00	=	\$48.00		
06/26/2017	Oral interview and farmer video prep	4.0	Х	\$8.00	=	\$32.00		
07/05/2017	Oral interview and farmer video prep	2.0	х	\$8.00	=	\$16.00		
07/06/2017	Oral interview and farmer video prep	3.5	х	\$8.00	=	\$28.00		
07/07/2017	Oral interview and farmer video prep	2.5	х	\$8.00	=	\$20.00		
07/10/2017	Oral interview and farmer video prep	4.5	х	\$8.00	=	\$36.00		
07/12/2017	Oral interview and farmer video prep	7.0	х	\$8.00	=	\$56.00		
07/13/2017	Oral interview and farmer video prep	5.0	х	\$8.00	=	\$40.00	St.	
07/14/2017	Oral interview and farmer video prep	4.5	х	\$8.00	=	\$36.00		
07/17/2017	Oral interview and farmer video prep	4.0	х	\$8.00	=	\$32.00		
07/18/2017	Oral interview and farmer video prep	4.0	х	\$8.00	=	\$32.00		
07/19/2017	Oral interview and farmer video prep	3.0	x	\$8.00	=	\$24.00		
07/20/2017	Oral interview and farmer video prep	3.5	x	\$8.00	=	\$28.00		
07/21/2017	Oral interview and farmer video prep	3.0	х	\$8.00	=	\$24.00		
07/24/2017	Oral interview and farmer video prep	3.0	х	\$8.00	=	\$24.00		
07/25/2017	Oral interview and farmer video prep	7.0	x	\$8.00	=	\$56.00		
07/26/2017	Oral interview and farmer video prep	4.0	х	\$8.00	=	\$32.00		
07/27/2017	Oral interview and farmer video prep	8.0	х	\$8.00	=	\$64.00		
07/30/2017	Oral interview and farmer video prep	3.0	х	\$8.00	=	\$24.00		
07/31/2017	Oral interview and farmer video prep	6.0	х	\$8.00	=	\$48.00		
08/02/2017	Oral interview and farmer video prep	3.5	x	\$8.00	=	\$28.00		

Form 8700-350 (R 12/15)

Page 4 of 7

Date	Description of Work Performed	Hours		Rate*		Total	Signature
08/03/2017	Oral interview and farmer video prep	8.5	x	\$8.00	=	\$68.00	
08/04/2017	Oral interview and farmer video prep	8.0	x	\$8.00	=	\$64.00	
08/05/2017	Oral interview and farmer video prep	7.0	х	\$8.00	=	\$56.00	
08/07/2017	Oral interview and farmer video prep	3.5	x	\$8.00	=	\$28.00	
08/08/2017	Oral interview and farmer video prep	5.0	x	\$8.00	=	\$40.00	
08/09/2017	Oral interview and farmer video prep	4.0	х	\$8.00	Ш	\$32.00	
08/10/2017	Oral interview and farmer video prep	3.0	х	\$8.00	=	\$24.00	
	Total Value of Services Performed:	180.5				\$1,444.00	

I certify that the donated services identified above have been performed by a profe	essional.
Chal linke	12/18/2017
Signature of Donating Professional	Date Signed
I certify that the donated services have been performed and that this claim is fair a	and correct.
Signature of Project Manager	2  8  7 Date Signed

NOTICE: Some DNR grant programs allow donated professional services to contribute toward the sponsor's match. Donated services are valued at market rate. If you choose to use donated <u>professional</u> services as part of your match, you may use this form to document those values. The value of donated professional services maybe also be documented with an invoice from the donor on business letterhead, including the donor's name and professional title, name and number of the grant project the services are contributed to, dates of work, nature of work, and hours logged by date multiplied by hourly rate. The invoice should include a statement verifying the value of the services is being donated to the project, and must include the donor's signature.

Either an invoice or this completed form must be submitted with the grantee's reimbursement request. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31-19.39, Wis. Stats.).

Section 1.	a DONATED PROFESSIONA	L SERVIC	E WORKSH	IEE'	T - 3			C NAME OF STREET	
Last Name		First			1	ΜI	DNR Gran	t Project Number	
Gundrum		Abby					LPL1579	16	
Professional		. 15			Project N	ame			
Green Lake	Green Lake Asso	ciatio	^		Green L	ake S	ocial Scienc	e Assessment	
Indicate the tir	ne interval covered by this report by option that is a best fit. Doing so will	Fisca	al Quarterly	Rep	orting (	From		То	Rate
calendars from	n which you can select start and end	dates. Time	Period Rep	ortir	ng 💿	02	2/15/2016	12/31/2017	\$8.00
Date	Description of Work Perf	ormed	Hours		Rate*		Total	Signature of Donating	Professional
06/06/2017	Oral interview and farmer vi	deo prep	5.0	х	\$8.00	) =	\$40.00		
06/07/2017	Oral interview and farmer vi	deo prep	4.0	х	\$8.00	) =	\$32.00		
06/08/2017	Oral interview and farmer vi	deo prep	4.0	х	\$8.00	) =	\$32.00		
06/09/2017	Oral interview and farmer vi	deo prep	4.0	х	\$8.00	) =	\$32.00		
06/12/2017	Oral interview and farmer vi	deo prep	4.0	х	\$8.00	) =	\$32.00		
06/13/2017	Oral interview and farmer vi	deo prep	4.0	х	\$8.00	) =	\$32.00		
06/14/2017	Oral interview and farmer vi	deo prep	1.0	х	\$8.00	) =	\$8.00		
06/15/2017	Oral interview and farmer vi	deo prep	4.0	х	\$8.00	) =	\$32.00		
06/16/2017	Oral interview and farmer vi	deo prep	1.0	x	\$8.00	) =	\$8.00		
06/19/2017	Oral interview and farmer vi	deo prep	4.0	x	\$8.00	=	\$32.00		

Form 8700-350 (R 12/15)

Page 5 of 7

Date	Description of Work Performed	Hours		Rate*		Total	Signature
06/20/2017	Oral interview and farmer video prep	8.0	х	\$8.00	=	\$64.00	
06/21/2017	Oral interview and farmer video prep	7.0	Х	\$8.00	=	\$56.00	
06/22/2017	Oral interview and farmer video prep	2.5	Х	\$8.00	=	\$20.00	
06/23/2017	Oral interview and farmer video prep	6.0	Х	\$8.00	=	\$48.00	
06/26/2017	Oral interview and farmer video prep	4.0	Х	\$8.00	=	\$32.00	
07/05/2017	Oral interview and farmer video prep	2.5	х	\$8.00	=	\$20.00	
07/10/2017	Oral interview and farmer video prep	4.5	х	\$8.00	=	\$36.00	
07/12/2017	Oral interview and farmer video prep	7.0	х	\$8.00	=	\$56.00	
07/13/2017	Oral interview and farmer video prep	5.0	х	\$8.00	=	\$40.00	
07/14/2017	Oral interview and farmer video prep	4.5	х	\$8.00	=	\$36.00	
07/15/2017	Oral interview and farmer video prep	6.0	х	\$8.00	=	\$48.00	
07/17/2017	Oral interview and farmer video prep	7.0	х	\$8.00	=	\$56.00	
07/18/2017	Oral interview and farmer video prep	4.0	х	\$8.00	=	\$32.00	
07/26/2017	Oral interview and farmer video prep	4.0	х	\$8.00	=	\$32.00	
07/27/2017	Oral interview and farmer video prep	8.0	х	\$8.00	=	\$64.00	
07/28/2017	Oral interview and farmer video prep	8.5	х	\$8.00	=	\$68.00	
07/31/2017	Oral interview and farmer video prep	6.0	х	\$8.00	=	\$48.00	
08/02/2017	Oral interview and farmer video prep	1.5	х	\$8.00	=	\$12.00	
08/03/2017	Oral interview and farmer video prep	8.5	х	\$8.00	=	\$68.00	
08/04/2017	Oral interview and farmer video prep	8.0	х	\$8.00	=	\$64.00	
08/05/2017	Oral interview and farmer video prep	7.0	х	\$8.00	=	\$56.00	
08/07/2017	Oral interview and farmer video prep	3.5	х	\$8.00	=	\$28.00	
08/08/2017	Oral interview and farmer video prep	8.0	х	\$8.00	=	\$64.00	
08/09/2017	Oral interview and farmer video prep	4.0	х	\$8.00	=	\$32.00	
08/10/2017	Oral interview and farmer video prep	3.0	х	\$8.00	=	\$24.00	
	Oral interview and farmer video prep	4.0	х	\$8.00	=	\$32.00	
	Total Value of Services Performed:	177.0				\$1,416.00	

08/10/2017 Oral Interview and farmer video prep	3.0	X	\$8.00	=	\$24.00	
08/11/2017 Oral interview and farmer video prep	4.0	х	\$8.00	=	\$32.00	
Total Value of Services Performed:	177.0			100000	\$1,416.00	
I certify that the donated services identified above have be	en perforn	ned b	y a profes	sior		
					12/18/2017	
Signature of Donating Professional					Date Signed	
I certify that the donated services have been performed and servic	d that this	claim	ı is fair and		Date Signed	

Form 8700-350 (R 12/15)

Page 6 of

**Notice:** Use this summary sheet to tally all professional labor donation per reporting period. This page will auto-populate totals from all page one worksheets completed electronically.

Section 1.b DONATED PROFESSIONAL SERVICES SUMMARY Project Sponsor:			DNR Grant Project Number (from page one)			
Green Lake Association			LPL157916			
Project Name (from page one) Fiscal Quarterly Reporting			· · · · · · · · · · · · · · · · · · ·		То	
Green Lake Social Science Assessment	Time Period Reportin	ig	02/15/20	)16	12/31/2017	
Name of Professional Donating Services	Hours		Rate		Total	
Prellwitz, Stephanie	64.00	х	\$25.20	=	\$ 1,612.80	
Lyke, Chris	180.50	х	\$8.00	=	\$ 1,444.00	
Gundrum, Abby	177.00	х	\$8.00	=	\$ 1,416.00	
*		х		=		
		х		=		
		x		=		
		x		=		
		х		=		
		х				
		х		=		
		х		=		
*		х		=		
		х		=		
		х		=		
		х		=		
		х		=		
		х		=		
		х		=		
	Total Value of Serv	vice	s Performed:	=	\$ 4,472.80	

I certify that the donated services identified in Section 1.a. have been performed and that this claim is fair and correct.

Signature of Project Manager

12/18/17

Form 8700-350 (R 12/15)

Page 7 of 7

Notice: Professionals donating services to more than one DNR funded grant project during the reimbursement request time period must complete a Section 1.c. below to identified all hours, both paid and donated, contributed to those projects during the time period. It is recommended these reports be completed on a fiscal quarterly basis (Jan-March, April-June, etc.) to support quarterly, semi-annual, or annual reimbursement requests. Staff and Professional Service Providers contributing to multiple projects must submit a signed original of this form along with their invoice(s) or Donated Professional Services worksheet(s).

Section 1.c Force Account / Professional Staff/Professional Services Provider:	l Services Rep	ort (Multiple Projects)	Hourly (Wages + Benefit Rate)
Professional Title:		Fiscal Quarterly Reporting  Time Period Reporting	
Project/Grant Number	Total # Hours	Services Provided	
1.			
2.			
3.			
4.			
5.			
6.			**
7.			
8.			
9.	*********		
10.			
11.			
12.			
13.			
14.			
15.			
16.			17711171
17.			
18.			, , , , , , , , , , , , , , , , , , , ,
Certification: This report accurately reflects my DNR grant-funded projects during the time perioduring this period and is submitted so the value Hours listed are specific to the grant project ide funded by DNR.	od/fiscal quarter of these hours	indicated. It identifies all Wis. DN may be cost-shared or used as m	IR grant projects I contributed to
Signature of Professional Service Provider			Date

Stevens Point WI 54481-3897 715-346-2051; Fax 715-346-4011 www.uwsp.edu/genledger

# **INVOICE**

TO: Green Lake Association

PO Box 394

Green Lake, WI 54941

INVOICE DATE: 08/01/2017

**INVOICE NUMBER: AAB9975-2** 

PERIOD: 05/01/2017 - 07/31/2017

DNR AGREEMENT NO: LPL 157916

PRINCIPAL INVESTIGATOR: Aaron Thompson

FOR: Expenditures incurred under the agreement between the Green Lake Association and the University of Wisconsin-Stevens Point for the project entitled, "Green Lake: Social Science Assessment of Agricultural Landowners."

BUDGET CATEGORY	EXPENDITURES	CUMULATIVE
	THIS PERIOD	EXPENDITURES
Salary	\$5,091.87	\$5,091.87
Fringe	\$2,594.61	\$2,594.61
Travel	\$0.00	\$0.00
Supplies and Service	\$2,893.20	\$4,899.20
TOTAL	\$10,579.68	\$12,585.68

## **TOTAL DUE: \$10,579.68**

REMIT TO:

UNIVERSITY OF WISCONSIN - STEVENS POINT

C/O BURSAR

2100 MAIN STREET

STEVENS POINT, WI 54481

cc:

Aaron Thompson

Bursar File

Bursar Use: 133-4 909102 AAB9975-9504

<sup>\*\*</sup>Please note we have not yet received payment on Invoice AAB9975-1 in the amount of \$2,006.00.

**Green Lake Association** 7016

University of Wisconsin - Stevens Point

Farmer Survey Salary
Farmer Survey Fringe
Farmer Survey Supplies and Services

5,091.87 2,594.61 4,899.20

8/11/2017

12,585.68

Rev 3/11

Stevens Point WI 54481-3897 715-346-2051; Fax 715-346-4011 www.uwsp.edu/genledger

# **INVOICE**

TO: Green Lake Association

PO Box 394

Green Lake, WI 54941

INVOICE DATE: 05/01/2017

INVOICE NUMBER: AAB9975-1

PERIOD: 02/15/2017 - 04/30/2017

DNR AGREEMENT NO: LPL 157916

PRINCIPAL INVESTIGATOR: Aaron Thompson

FOR: Expenditures incurred under the agreement between the Green Lake Association and the University of Wisconsin-Stevens Point for the project entitled, "Green Lake: Social Science Assessment of Agricultural Landowners."

BUDGET CATEGORY	EXPENDITURES	CUMULATIVE
	THIS PERIOD	EXPENDITURES
Salary	\$0.00	\$0.00
Fringe	\$0.00	\$0.00
Travel	\$0.00	\$0.00
Supplies and Service	\$2,006.00	\$2,006.00
TOTAL	\$2,006.00	\$2,006.00

**TOTAL DUE: \$2,006.00** 

REMIT TO:

UNIVERSITY OF WISCONSIN - STEVENS POINT

C/O BURSAR

2100 MAIN STREET

STEVENS POINT, WI 54481

cc:

Aaron Thompson

Bursar File

Bursar Use: AAB9975-9504

University of Wisconsin - Stevens Point

Farmer Survey Supplies and Service

8/11/2017

2,006.00

GLSB CHECKING

AAB9975-1

2,006.00





**Green Lake Social Science Assessment** 

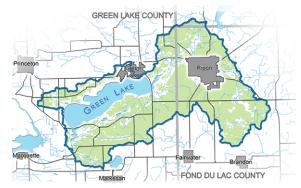
Grant #: LPL157916

# Green Lake Farmer Survey



We're asking for your help! A group in your community – the Green Lake Management Planning (LMP) Team – is working hard to protect the health of Big Green Lake. The multi-organization team works around Green Lake's shorelines, urban and agricultural areas in their effort to improve lake water quality. As highlighted in green in the map shown here, this lake is part of an agricultural landscape, which means that problem solving help from the farming community is critical to the success of community efforts.

# The survey booklet will arrive in the mail in about 7 -10 days.



This advance letter is simply intended to let you know about this opportunity to contribute, but it also helps us keep costs down by confirming valid mailing addresses.

We want your input on the priorities of those who know the land best: agricultural producers and landowners in the Green Lake watershed. We are asking you to complete this survey, which should take about 20 minutes of your time. The survey is being conducted by the UW-Extension Center for Land Use Education at UW-Stevens Point that assists communities in understanding the priorities of key stakeholders. Please contribute to this effort by completing the survey and returning it in the enclosed postage paid envelope.

Here are a few important notes about this study:

- All results will be kept confidential; we're just looking for your important perspective about how to better manage Green Lake and the surrounding watershed.
- All responses will be treated as anonymous and records used to contact respondents containing identifying information will be destroyed prior to the research team reviewing data.
- Please skip any questions that make you feel uncomfortable or that you don't know how to answer.
- We do not anticipate any potential for risk or harm due to participation in this study; however, if you have any complaints about your treatment as a participant in this study please contact Dr. Debbie Palmer, IRB Chair at (715) 346-3953, e-mail at irbchair@uwsp.edu, or mail at University of Wisconsin-Stevens Point, Science Building D240, Stevens Point Wisconsin 54481.

While your participation is voluntary your input can help bring local voices into these important efforts to benefit Green Lake! If you have any questions or comments about this project you may contact me using the information provided below.

Thank you for your time and we're looking forward to hearing from you!

Am Thy

Dr. Aaron Thompson, Associate Professor E-mail: aaron.thompson@uwsp.edu Phone: 715.346.2278

5-man. aaron.mompson@uwsp.cdu 1 nonc. 715.540.2276



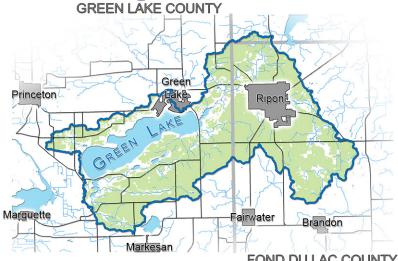
**Green Lake Social Science Assessment** 

Grant #: LPL157916

# Green Lake Farmer Survey



We're asking for your help! A group in your community – the Green Lake Management Planning (LMP) Team – is working hard to protect the health of Big Green Lake. The multi-organization team works around Green Lake's shorelines, urban and agricultural areas in their effort to improve lake water quality. As highlighted in green in the map shown here, this lake is part of an agricultural landscape, which means that problem solving help from the farming community is critical to the success of community efforts.



FOND DU LAC COUNTY

We want your input on the priorities of those who know the land best: agricultural producers and landowners in the Green Lake watershed. We are asking you to complete this survey, which should take about 20 minutes of your time. The survey is being conducted by the UW-Extension Center for Land Use Education at UW-Stevens Point that assists communities in understanding the priorities of key stakeholders. Please contribute to this effort by completing the survey and returning it in the enclosed postage paid envelope.

Here are a few important notes about this study:

- All results will be kept confidential; we're just looking for your important perspective about how to better manage Green Lake and the surrounding watershed.
- All responses will be treated as anonymous and records used to contact respondents containing identifying information will be destroyed prior to the research team reviewing data.
- Please skip any questions that make you feel uncomfortable or that you don't know how to answer.
- We do not anticipate any potential for risk or harm due to participation in this study; however, if you have any complaints about your treatment as a participant in this study please contact Dr. Debbie Palmer, IRB Chair at (715) 346-3953, e-mail at irbchair@uwsp.edu, or mail at University of Wisconsin-Stevens Point, Science Building D240, Stevens Point Wisconsin 54481.

While your participation is voluntary your input can help bring local voices into these important efforts to benefit Green Lake! If you have any questions or comments about this project you may contact me using the information provided below.

Thank you for your time and we're looking forward to hearing from you!

Dr. Aaron Thompson, Associate Professor

E-mail: aaron.thompson@uwsp.edu Phone: 715.346.2278

# PLEASE READ BEFORE BEGINNING THIS SURVEY:

This survey must be completed by an adult 18 years of age or older. Due to the type of research being conducted
it is important that the individual responsible for making land management decisions is the individual who
completes this survey to the best of his or her ability.
Please mark all answers clearly, in pen or pencil, as indicated below.
Example "A"



# Conservation Priorities

YES NO

To begin we'd like to understand your priorities for the Green Lake Watershed. Please indicate whether you support each of the following goals by responding Yes or No.

Encouraging land management practices that promote good soil

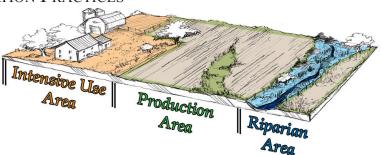
869 7		health.	1				C	
	YES NO	Reducing soil erosion enter and upland sources.	ing int	o wat	erway	s from	both s	shoreline
	YES NO	Funding practices on local runoff, which can improve			-	-	hospho	orus
	YES NO	Promoting the protection armarshes.	nd rest	oratio	n of ri	parian	wetlaı	nds and
	YES NO	Reducing habitat fragmentation and promoting the protection restoration of areas for wildlife.						ion and
	YES NO	Ensuring that someone who installing conservation practure property and meet with me.	tices i					
FARMERS AND THE ENV	IRONMENT		\$	ပ္ _	ల .		3	
The next series of questions ask a between production and conserva	ation considerat	tions. Please indicate		Q12000		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	in Age	Où Jan
whether you agree or disagree wi	th each of the f	following statements:	SD	D	N	A	SA	DK
Good farming requires using all available acreage as efficiently as possible to maximize yields.		-2	-1	0	1	2		
To protect the rural landscape, factorized agricultural practice natural processes.		•	-2	-1	0	1	2	
Modifications to my farm that incof grasslands, fence rows, or grasenvironment.			-2	-1	0	1	2	
Programs to protect soil and water approaches that primarily benefit		÷	-2	-1	0	1	2	
As a result of modern agricultura effort now to protect the environment			-2	-1	0	1	2	
The primary role of farms is the production of food and related agricultural products; the protection of the environment is separate from this purpose.		-2	-1	0	1	2		
Good farming results from placing of both the agricultural and natural		_	-2	-1	0	1	2	
A successful farmer is someone who continuously evaluates the environmental impact of their farm and adopts new approaches to protect the environment.			-2	-1	0	1	2	

GOVERNMENT INVOLVEMENT	Δ.
This series of questions ask about your beliefs regarding how government should be involved in private land management. Please indicate whether you agree or disagree with each of the following statements:	SD D N A SA DK
Government expertise is essential to addressing problems facing resource management in my community.	[-2] [-1] [0] [1] [2] []
Local residents are better able to address issues that concern the management of the rural landscape than the government.	-2 -1 0 1 2
Solving problems currently facing farming like agricultural runoff affecting local water quality must rely on the innovation and ingenuity of farmers, not the government.	-2 -1 0 1 2
Government agencies are an important partner who assists me in the management of my land.	-2 -1 0 1 2
Government programs do not provide me the flexibility that is needed to appropriately manage my land.	-2 -1 0 1 2
Government payments are necessary to ensure that farmland is appropriately managed for the benefit of the community.	-2 -1 0 1 2
Private property is a right created by government that can be changed over time according to changing needs of society.	-2 -1 0 1 2
The government should not be allowed to regulate land management practices on private property, even if current activities have the potential to negatively impact others.	-2 -1 0 1 2
Many agencies and groups are working with farmers to improve land management practices to improve water quality. These efforts often offer cost sharing or expertise to implement new practices; however, there are many valid reasons why people aren't interested in these programs. How important are each of following reasons when you make decisions about	John Son Son Son Son Son Son Son Son Son So
Changing land management practices on your farm?  Uncertainty about whether the money I invest will result in improvements	Know
in local water quality.  Concern that changing land management practices might reduce yields or overall farm productivity.	-2 -1 0 1 2
The lack of a source of funding to install or maintain these practices.	-2 -1 0 1 2
Concern that I don't have the skills and knowledge necessary to install or maintain these practices on my property.	-2 -1 0 1 2
Uncertainty about whether installing these practices on my property is likely to reduce undesirable water quality problems in nearby waterways.	-2 -1 0 1 2
The additional time spent doing paperwork isn't worth the cost share provided by organizations working to improve land management practices.	-2 -1 0 1 2
Not wanting to invest my own money in water quality practices, as I'd be more likely to participate if someone else covers 100 percent of the costs.	-2 -1 0 1 2

# Conservation Practices

We'd like to know more about your experience with conservation practices that have the potential to improve water quality in your area. *The practices presented below (and on the next page) are appropriate for different parts of a farm property and have been organized into the 3 groups shown in the diagram here.* 

Intensive Use Area Practices



**INTEREST** 

in trying practice

BENEFIT

to the watershed

# Please read the practice descriptions provided below and respond to these 3 questions for each:

**EXPERIENCE:** What is your experience using each practice on your land? *Please rate from (0) unfamiliar -- I have not heard of this before to (3) very experienced -- currently use this practice extensively on my farm.* 

**INTEREST:** What is your level of interest in trying, or expanding the use of, each practice? *Please rate from (0) no interest -- would not work on my farm to (3) very interested -- would be a good fit for my farm.* 

**BENEFIT:** How much benefit to water quality do you believe would come from funding installations of each practice on farms across the Green Lake Watershed? *Please rate from (0) no benefit -- would not improve water quality to (3) very beneficial -- would significantly improve water quality.* 

**EXPERIENCE** 

on your land

3 Very Experienced 2 Some Experience 1 Little Experience 0 Unfamiliar	3 Very Interested 2 Some Interest 1 Little Interest 0 No Interest	3 Very Beneficial 2 Some Benefit 1 Little Benefit 0 No Benefit
3 Very Experienced 2 Some Experience 1 Little Experience 0 Unfamiliar	3 Very Interested 2 Some Interest 1 Little Interest 0 No Interest	3 Very Beneficial 2 Some Benefit 1 Little Benefit 0 No Benefit
EXPERIENCE on your land	INTEREST in trying practice	BENEFIT to the watershed
3 Very Experienced 2 Some Experience 1 Little Experience 0 Unfamiliar	3 Very Interested 2 Some Interest 1 Little Interest 0 No Interest	3 Very Beneficial 2 Some Benefit 1 Little Benefit 0 No Benefit
3 Very Experienced 2 Some Experience 1 Little Experience 0 Unfamiliar	3 Very Interested 2 Some Interest 1 Little Interest 0 No Interest	3 Very Beneficial 2 Some Benefit 1 Little Benefit 0 No Benefit
3 Very Experienced 2 Some Experience 1 Little Experience 0 Unfamiliar	3 Very Interested 2 Some Interest 1 Little Interest 0 No Interest	3 Very Beneficial 2 Some Benefit 1 Little Benefit 0 No Benefit
	2 Some Experience 1 Little Experience 0 Unfamiliar  3 Very Experienced 2 Some Experience 1 Little Experience 0 Unfamiliar  EXPERIENCE on your land 3 Very Experienced 2 Some Experience 1 Little Experience 0 Unfamiliar  3 Very Experienced 2 Some Experience 1 Little Experience 1 Little Experience 0 Unfamiliar  3 Very Experience 1 Little Experience	2 Some Experience 1 Little Experience 0 Unfamiliar 2 Some Interest 1 Little Interest 0 No Interest 2 Some Interest 1 Little Interest 2 Some Interest 2 Some Interest 1 Little Experience 1 Little Experience 1 Little Experience 1 Unfamiliar 2 Some Interest 1 Little Interest 1 No Interest 2 Some Interest 1 Little Interest 2 Some Interest 3 Very Experience 2 Some Interest 1 Little Interest 1 Little Interest 1 Little Interest 2 Some Interest 3 Very Interested 2 Some Interest 1 Little Interest 1 Little Interest 2 Some Interest 1 Little Interest 3 Very Interested 2 Some Interest 1 Little Interest 3 Very Interested 2 Some Interest 1 Little Interest 3 Very Interested 2 Some Interest 3 Very Interested 2 Some Interest 3 Very Interested 3 Very Interested 3 Very Interested 5 Some Interest 1 Little Interest 5 No Interest 6 No Interest 7 Intrinsipation

Production Area Practices (continued)	EXPERIENCE on your land	INTEREST in trying practice	BENEFIT to the watershed
NO TILL PLANTING is a practice that limits soil disturbance and erosion by allowing planting to occur directly into the previous year's crop residues without tilling.	3 Very Experienced 2 Some Experience 1 Little Experience 0 Unfamiliar	3 Very Interested 2 Some Interest 1 Little Interest 0 No Interest	3 Very Beneficial 2 Some Benefit 1 Little Benefit 0 No Benefit
NUTRIENT MANAGEMENT involves adjusting the method (i.e. injection or incorporation), rate, or timing of applications to minimize the potential for contaminated runoff into nearby waterways or field tiles.	3 Very Experienced 2 Some Experience 1 Little Experience 0 Unfamiliar	3 Very Interested 2 Some Interest 1 Little Interest 0 No Interest	3 Very Beneficial 2 Some Benefit 1 Little Benefit 0 No Benefit
COVER CROPS are plants that are seeded into a field alongside the commercial crop primarily to manage soil erosion or improve soil health.	3 Very Experienced 2 Some Experience 1 Little Experience 0 Unfamiliar	3 Very Interested 2 Some Interest 1 Little Interest 0 No Interest	3 Very Beneficial 2 Some Benefit 1 Little Benefit 0 No Benefit
CONTOUR FARMING encourages row cropping practices, such as tillage ridges and furrows, that work to prevent stormwater from flowing downslope in order to decrease erosion and surface runoff.	3 Very Experienced 2 Some Experience 1 Little Experience 0 Unfamiliar	3 Very Interested 2 Some Interest 1 Little Interest 0 No Interest	3 Very Beneficial 2 Some Benefit 1 Little Benefit 0 No Benefit
Riparian Area Practices	EXPERIENCE on your land	INTEREST in trying practice	BENEFIT to the watershed
Riparian Area Practices  STREAM FENCING are practices that help reduce soil erosion by using fencing, or other field improvements, to provide a very specific place for people, animals, and vehicles to access or cross streams or other water bodies.			
STREAM FENCING are practices that help reduce soil erosion by using fencing, or other field improvements, to provide a very specific place for people, animals, and vehicles to	<ul><li>on your land</li><li>Very Experienced</li><li>Some Experience</li><li>Little Experience</li></ul>	<ul><li>in trying practice</li><li>3 Very Interested</li><li>2 Some Interest</li><li>1 Little Interest</li></ul>	<ul><li>to the watershed</li><li>3 Very Beneficial</li><li>2 Some Benefit</li><li>1 Little Benefit</li></ul>
STREAM FENCING are practices that help reduce soil erosion by using fencing, or other field improvements, to provide a very specific place for people, animals, and vehicles to access or cross streams or other water bodies.  STREAMBANK STABILIZATION are practices designed to restore, stabilize, or protect the bank of the stream by seeding, planting, or using other forms of sediment	on your land  3 Very Experienced 2 Some Experience 1 Little Experience 0 Unfamiliar  3 Very Experienced 2 Some Experience 1 Little Experience	in trying practice  3 Very Interested 2 Some Interest 1 Little Interest 0 No Interest  3 Very Interested 2 Some Interest 1 Little Interest 1 Little Interest	to the watershed  3 Very Beneficial 2 Some Benefit 1 Little Benefit 0 No Benefit  3 Very Beneficial 2 Some Benefit 1 Little Benefit 1 Little Benefit

# MAKING CONSERVATION WORK FOR YOU

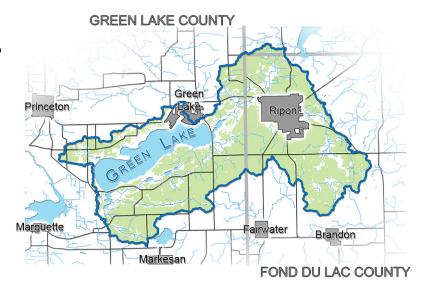
D1 1.		ONSERVATION WORK FO	OR I OU		
	the questions below to I make new programs a	1	INTEREST in trying practice	BENEFIT to the watershed	
HARVESTABLE BUFFER PROGRAM is a proposed county government program that would provide funding to establish perennial grass cover along streams and ditches. The grass reduces stormwater runoff impacts and may also be harvested and used by the landowner.		3 Very Interested 2 Some Interest 1 Little Interest 0 No Interest	<ul><li>3 Very Beneficial</li><li>2 Some Benefit</li><li>1 Little Benefit</li><li>0 No Benefit</li></ul>		
YES NO Wot	ıld you be more interes	sted in trying Harvestable I	Buffers if		
Y N more	e interested if all the c	costs to install the harvestable	e buffer are paid by the	e County?	
Y N more	e interested if the Cou	nty occasionally inspected a	nd handled any necess	ary maintenance?	
1 11		erm (25 years, 50 years, or pets would receive a better rate	*		
Y N more	e interested if a short-	term (5 years or 15 years) co	ntract were available -	- even if it paid less?	
resources can only b	WORKING TOGETHER FOR WATER QUALITY Input from local stakeholders is critical in natural resource management. Local knowledge of people, places and resources can only be obtained if local landowners are given the opportunity to be heard and participate. This section asks about a new way that you as a rural landowner could participate in water quality management.				
FARMER-LED COUNCILS  A. Relies on the participation of interested landowners and parallels a farm advocacy group B. The council of local farmers would work with interested landowners to get water quality projects completed on private properties. C. This group would primarily consist of individual landowners with a vested interest in this landscape with support from individuals with technical expertise.					
		te in an effort that uses FARI managed in the Green Lake  Neutral		Don't Know	
	<u>-4</u> <u>-3</u> <u>-2</u>	] [-1] [0] [1] [2	3 4	DK	

# WHICH PART OF THE WATERSHED IS YOURS?

We're asking you to give us a general idea of the part of the watershed you call home, such as Green Lake versus Fond du Lac County, to help us better understand different landowner priorities across the watershed. Remember if any questions make you uncomfortable feel free to skip to the next question.

Please draw a circle about this size that best describes the general area where you farm, or own farmland, in the Green Lake watershed.





Green Lake Association	
Have you heard about Green Lake Association's efforts? They work to Green Lake by addressing negative water quality trends before they become this lake over the long term. Please select the response that best describes	me a critical issue that will affect
Never heard about Heard of them, but don't Heard of them a know much about them what they are do	
BENEFITS OF GREEN LAKE  The following series of questions asks about possible community benefits of Green Lake. Please indicate your level of agreement with the	
following statements, which begin with "I personally benefit from"	SD D N A SA DK
I personally benefit from access to fishing or hunting opportunities on Big Green Lake.	-2 -1 0 1 2
local tax dollars generated by shoreline development on Green Lake.	-2 -1 0 1 2
access to customers for local products, such as Farmers Markets, who are attracted to the area by amenities around Green Lake.	-2 -1 0 1 2
opportunities for water-based recreation, such as boating or swimming, on Green Lake.	-2 -1 0 1 2
places for friends, family, or other groups to gather and enjoy leisure time together around Green Lake.	-2 -1 0 1 2
TRUST IN ORGANIZATIONS We would like to know your level of trust in organizations that are working to address water quality issues in the Green Lake Watershed. For each of the following how likely are you to work with the organization to identify new opportunities to address issues on your land?	S  VUL UL N L VL DK
USDA Natural Resource Conservation Services (NRCS)	
- A federal agency that provides landowners with financial and technical assistance to support the installation and upkeep of conservation practices.	-2 -1 0 1 2
Wisconsin Department of Natural Resources (WDNR)	
- A state agency that provides landowners with financial and technical assistance to support the installation and upkeep of conservation practices.	-2 -1 0 1 2
Green Lake County Land Conservation Department - A local agency that provides landowners with financial and technical assistance to support the installation and upkeep of conservation practices.	-2 -1 0 1 2
Fond du Lac County Land and Water Conservation Department - A local agency that provides landowners with financial and technical assistance to support the installation and upkeep of conservation practices.	-2 -1 0 1 2
Green Lake Sanitary District  - A local district created to protect Green Lake by providing leadership on sanitation and related air, land, and water quality matters.	-2 -1 0 1 2
Green Lake Association - A group of local citizens who are interested in addressing water quality challenges.	-2 -1 0 1 2
University of Wisconsin Extension - Local university professionals that provides landowners with	[-2] [-1] [0] [1] [2] [D

# DEMOGRAPHIC INFORMATION

Please answer the following questions about yourself, the information will be used for classification purposes only.			Which of these responses best describes your		☐ I will never fully retire from farming (retaining control of management and providing
What is your gender?		□ Male □ Female	retirement plans?		some labor).
In what year were you born?				☐ I will semi-retire from farming (providing some management and / or labor).	
What is your highest level of formal education?	hest level of mal education? High school graduate or GED Some college 2 year degree				☐ I will fully retire from farming (leaving all management and labor to others).
	☐ 4 year degree ☐ Graduate degree ☐ Other (specify)		What would you consider to be the most likely		☐ A family member will continue the farm operation. ☐ Sell my land to another
In 2016 how many acres of land did you:			farm when you farmer.		farmer.  ☐ Sell all or part of the land to a developer.
a. Own (Total)					
b. Rent from others		conservation.			
c. Set aside for conservation					
Please indicate which best describes your farm operation based on <b>gross</b> farm sales.  Less than \$50,000 farm  Describe y farming op by marking response the describes your farm  Describe y farming op by marking response the describes your farm are possessed as a second point of the properties of the		ration g the nat best  □ Farmer primarily fow crops □ Farmer primarily dairy □ Farmer other: not dairy or row crops			
Your Views					
Please record any a	additional thoughts and a	ny comments ab	out this	survey in the	e space provided.

**Thank you!** For completing this survey, please return it to us in the included pre-paid envelope.

# **POST CARD**



**Green Lake Social Science Assessment** 

Grant #: LPL157916

Dear Green Lake Watershed Landowner,

I am sending you this reminder because your input is extremely valuable. We haven't heard back from you on the Green Lake Watershed Survey seeking your opinions about how landowners in your community should be included in making water quality decisions in this watershed. Hearing from everyone is important as your opinions and experiences are unique from those who have already responded.

If you've already taken the time to complete the survey thank you for your assistance, if not please take this opportunity to complete the survey in order to inform this important work.

Sincerely,

Dr. Aaron Thompson, Assistant Professor

E-mail: aaron.thompson@uwsp.edu

Phone: 715.346.2278

Green Lake Watershed

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Green Lake Watershed



Dr. Aaron Thompson UWSP Center for Land Use Education -- TNR 207 800 Reserve St Stevens Point, WI 54481



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# NON-RESPONSE BIAS



**Green Lake Social Science Assessment** 

Grant #: LPL157916

# Green Lake Farmer Survey

College of Natural Resources **University of Wisconsin-Stevens Point** 

We're asking for your help! A group in your community - the Green Lake Management Planning (LMP) Team – is working hard to protect the health of Big Green Lake. The multi-organization team works around Green Lake's shorelines, urban and agricultural areas in their effort to improve lake water quality. As highlighted in green in the map shown here, this lake is part of an agricultural landscape, which means that problem solving help from the farming community is critical to the success of community efforts.



# FINAL OPPORTUNITY TO CONTRIBUTE:

We haven't heard back from you on the Green Lake Watershed Survey seeking your opinions about how landowners in your community should be included in making water quality decisions in this watershed. Hearing from everyone is important as your opinions and experiences are unique from those who have already responded.

If you've already taken the time to complete the survey thank you for your assistance, if not please take this final opportunity to contribute by completing and return this 1-page version of the survey that helps us learn a little about how your farm compares with others in the watershed.

We want your input on the priorities of those who know the land best: agricultural producers and landowners in the Green Lake watershed. We are asking you to complete this survey, which should take about 5 minutes of your time. The survey is being conducted by the UW-Extension Center for Land Use Education at UW-Stevens Point that assists communities in understanding the priorities of key stakeholders. Please contribute to this effort by completing the survey and returning it in the enclosed postage paid envelope.

Here are a few important notes about this study:

- All results will be kept confidential; we're just looking for your important perspective about how to better manage Green Lake and the surrounding watershed.
- All responses will be treated as anonymous and records used to contact respondents containing identifying information will be destroyed prior to the research team reviewing data.
- Please skip any questions that make you feel uncomfortable or that you don't know how to answer.
- We do not anticipate any potential for risk or harm due to participation in this study; however, if you have any complaints about your treatment as a participant in this study please contact Dr. Debbie Palmer, IRB Chair at (715) 346-3953, e-mail at irbchair@uwsp.edu, or mail at University of Wisconsin-Stevens Point, Science Building D240, Stevens Point Wisconsin 54481.

While your participation is voluntary your input can help bring local voices into these important efforts to benefit Green Lake! If you have any questions or comments about this project you may contact me using the information provided below.

Thank you for your time and we're looking forward to hearing from you!

Dr. Aaron Thompson, Associate Professor E-mail: aaron.thompson@uwsp.edu Phone: 715.346.2278