
PROJECT APPLICATION
Dickinson County Water Quality Commission
Cover Sheet

1. Applicant Organization SLPIA Inc.
Street address 1708 Lakeside Ave
City Lake Park
State IA
Zip 51347
Email Robyn Wilson rwilson2@evertek.net>
Phone 507-360-0067
Organization contact _____
2. Project title: Chair
Location Silver Lake Watershed
3. Project Director (if different than organization contact)
Street address _____
City _____
State _____
Zip _____
Email _____
Phone _____
4. Application submission date: 9-26-2023
5. Brief description (75 words or less) of project, including expected results:
Silver Lake Park Improvement Association wishes to improve the water quality of Silver Lake and has sampled the watershed of Silver Lake for 15 years. The samples help to target working with landowners and homeowners within the watershed to install conservation practices that prevent pollutants from entering the lake
6. Amount requested through this grant application * : \$3,000
7. Matching funds:
Hard match \$3,000 (Anything paid for with real money)

Source(s) SLPIA, Landowners, Other
(If it is your intent to seek matching grants using the WQC funds, list those potential additional grants, the expected timing for funds to be available, and the dollars that will be requested)

Soft match \$1,500 (Anything not paid with real money but has a value)
Source(s) Dickinson SWCD, water sampling labor
Other support _____

a. Amount of Federal, State or other public cash match money already acquired or in process (list all and status): \$ _____

b. Amount of private cash match funds: \$ 3,000

c. Source of public and/or private cash match (list all):

SLPIA

Is the project a portion of a larger, overall project to be implemented over a multi-year period?
Yes X No _____ If yes, describe in project narrative and include in budget form as instructed.

**** The Water Quality Commission will only obligate funds for current fiscal year.
Any multi-year projects will be allowed to re-apply in subsequent years***

Type of project (select all that apply):

 X Public education, public awareness, and information dissemination

 X Creation or maintenance of Best Management Practices

 Erection and maintenance of storm water run off facilities

 Bank stabilization Water treatment

 X Water monitoring

 X Watershed protection

 Activities to abate and remove invasive species

 Any other activity which will improve, protect or enhance the quality of water in the lakes in Dickinson County

Estimated project dates:

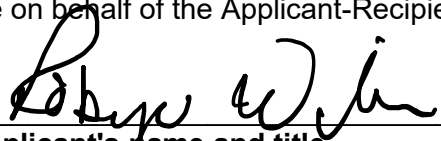
a. Start May 1, 2024

b. Completion September 30, 2024

Applicant's signature. Upon signing in the space provided below, the applicant agrees to conform to the requirements pertaining to:

- **Civil Rights Assurance of Compliance:** The applicant hereby agrees that it will comply with Title VI of the Rights Act of 1964, 1873 and the age Discrimination Act of 1975 to the end that no person in the United States shall on the grounds of race, color, national origin or otherwise subjected to discrimination under any program or activity for which the Applicant-Recipient receives grant funds and hereby gives assurance that it will immediately take any measures to effectuate this agreement.

This assurance is binding on the Applicant-Recipient, its successors, transferees, and assignees, and the person or person whose signature appears below are authorized to sign this assurance on behalf of the Applicant-Recipient.



Applicant's name and title

9-26-2023

Date

REQUIRED BUDGET FORM

See Application Guidelines for this form.

Proposed Budget for Current Grant Request Year (fill out with just the match for this year's WQC match if this is a multi-component, multi-year project, please fill out the second budget form with the entire budget and any anticipated grant dollars expected to be sought from WQC in future requests)

	<u>Commission</u>	<u>Hard Match*</u>	<u>Soft Match**</u>	<u>Total</u>
1. Staff	\$ <u> </u>	\$ <u> </u>	\$ <u>1,500</u>	\$ <u>1,500</u>
2. Supplies and Services	\$ <u> </u>	\$ <u> </u>	\$ <u> </u>	\$ <u> </u>
3. Equipment	\$ <u> </u>	\$ <u> </u>	\$ <u> </u>	\$ <u> </u>
4. Travel	\$ <u> </u>	\$ <u> </u>	\$ <u> </u>	\$ <u> </u>
5. Water Monitoring	\$ <u>3,000</u>	\$ <u>3,000</u>	\$ <u> </u>	\$ <u>6,000</u>
5. Land Acquisition	\$ <u> </u>	\$ <u> </u>	\$ <u> </u>	\$ <u> </u>
6. Land Development	\$ <u> </u>	\$ <u> </u>	\$ <u> </u>	\$ <u> </u>
7. Other	\$ <u> </u>	\$ <u> </u>	\$ <u> </u>	\$ <u> </u>
Total	\$ <u>3,000</u>	\$ <u>3,000</u>	\$ <u> </u>	\$ <u>7,500</u>

* Hard Match is "real money spent" toward project goal.

** Soft Match is money indirectly spent toward project goal. (This is important but not included in the dollar amount for points).

You must attach a letter of support for each contributor of Hard Match dollars and soft match dollars that specifies the amount of money or service being provided. If you are seeking other grants using WQC funds as a match, list those grants in the budget narrative and the timing those grant funds are to be available.

BUDGET NARRATIVE: Attach a Budget Narrative. Follow directions in Application Guidelines.

Budget Narrative					
Item	Explanation	Commission	Hard Match	Soft Match	Total
Labor	Drawing Water Samples			\$ 1,500.00	\$ 1,500.00
Monitoring	Sample Analysis	\$ 3,000.00	\$ 3,000.00		\$ 6,000.00
Totals		\$ 3,000.00	\$ 3,000.00	\$ 1,500.00	\$ 7,500.00

TASKS AND DELIVERABLES: Attach a list of Tasks and Deliverables following the Application Guidelines included in this packet.

<u>Tasks and Deliverables</u>					
	2023				
	May	June	July	Aug	Sep
Collect Water Samples					
Analyze Samples					
Increase I&E					

PROJECT NARRATIVE

Attach project narrative following the instructions in application guidelines, including:

STATEMENT OF PROJECT NEED:

Silver Lake is listed on the State's Impaired Waters List for sediment and water clarity impairments. A Total Maximum Daily Load (TMDL) for phosphorus has been completed by the Iowa DNR. Inorganic suspended solids and high phosphorus levels are top contributors to the poor water quality conditions documented within the lake.

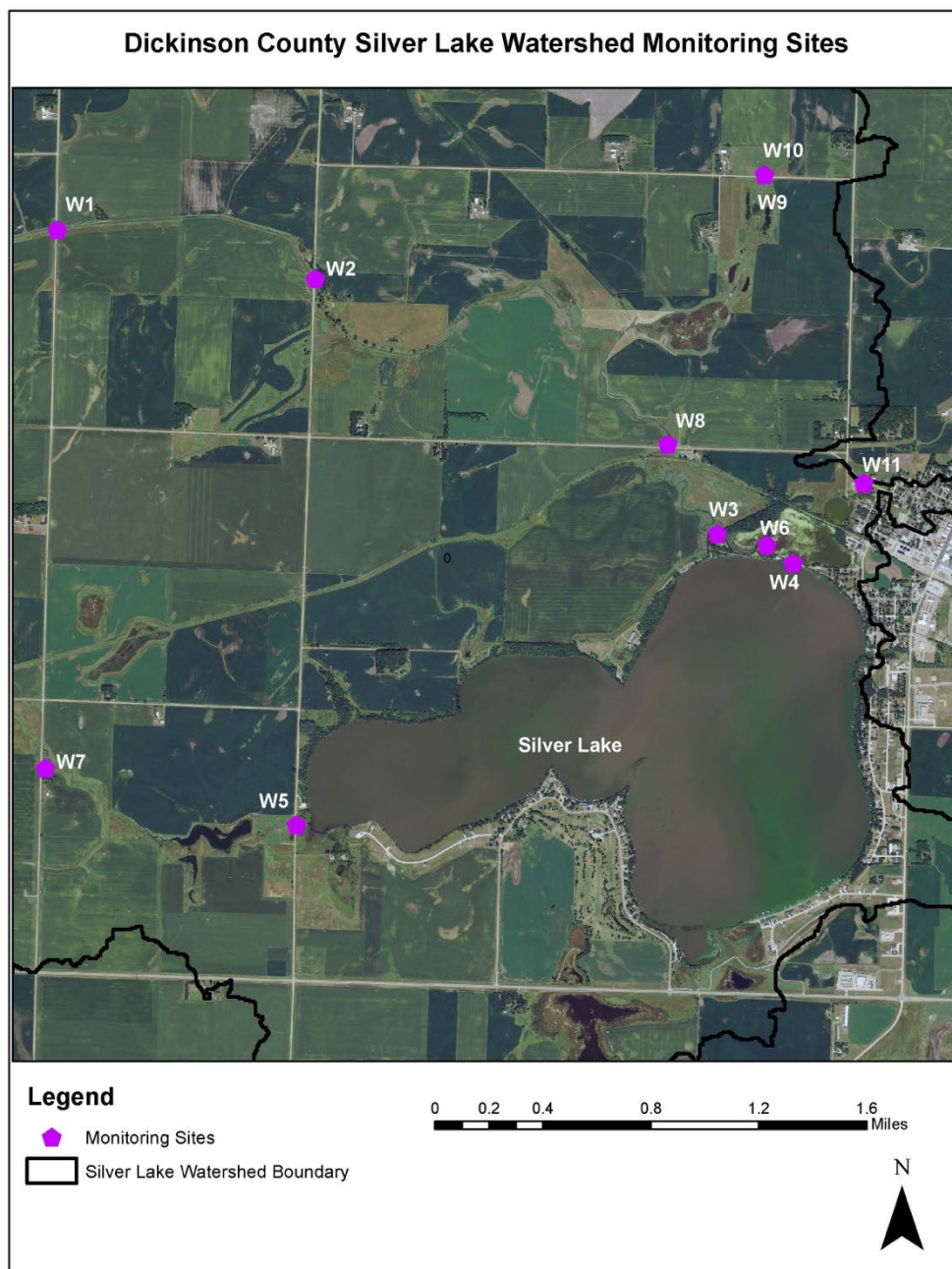
Because of these high nutrient levels, Silver Lake is considered a hypereutrophic Lake, and exhibits intense algal blooms in mid-late summer on an annual basis. These blooms are the cause of the "aesthetically objectionable conditions" which inhibit primary contact recreation in the lake. During these frequent blooms, recreation activities on Silver Lake plummet, often during months when recreational usage should be at its peak.

Water Sampling

On page 22 of the Silver Lake Watershed management plan, it states "To date, this data has been used to provide a baseline in evaluating the overall health of the watershed, as well as helping pinpoint critical areas which should be targeted with incentives for the implementation of BMP's."

Water monitoring has been and continues to be a vital part of the conservation projects within the watershed. Since 2008, associated costs of water monitoring in the Silver Lake Watershed have been provided by the Silver Lake Park Improvement Association, Water Quality Commission, City of Lake Park, and other private donors. The Silver Lake Park Improvement Association has again pledged \$3,000 for fiscal year 2024 water monitoring.

As in previous years, sampling in 2024 will take place at eight key locations within the watershed and a few other possible sites based on emergency sampling. We will continue to take samples every three weeks from the first week of May through the end of September. If certain locations produce high readings of certain parameters such as E. coli bacteria, total phosphorus, or total suspended solids, staff has the option to adjust these sites to pinpoint the source of pollution. Attached is a map of 11 identified sampling sites within the watershed. Only W1 through W8 have been consistently monitored over the course of the monitoring project.



All water samples taken from the Silver Lake Watershed that require analysis beyond what is available in the field are taken to Lakeside Laboratories. Sampling parameters officially tested at Lakeside Labs include E. coli bacteria, total suspended solids, nitrate/nitrite, and total phosphorus. Field staff also uses district equipment to record on-site readings of water temperature, pH, turbidity, and dissolved oxygen.

Water monitoring is a benefit to the watershed project because it gives the staff an idea of what location is the most beneficial to install a conservation practice to address a pollutant that is making its way to Silver Lake. It also provides before and after information of various conservation practices that have been installed to measure successes.

STATEMENT OF PROJECT BENEFITS TO WATER QUALITY

Silver Lake Park Improvement Association has been a local organization working toward improving water quality within Silver Lake. SLPIA has been furthering the cause of clean water in Silver Lake since 2006 and has been a key to receiving funding and completing conservation projects within the watershed. SLPIA educates the local community on water quality projects and continues to work with the Silver Lake Watershed Project to help fund various conservation practices.

PUBLIC AWARENESS PLAN

SLPIA and the Watershed Project work to educate local the local community in various ways. Signs, radio interviews, newsletters, and news articles are some examples. All completed projects in the watershed area have been followed by installing a sign that gives recognition to the conservation practice, the landowner who installed it, and the funding sources. These signs help educate the public by letting them drive by the practice and to show them how they work to improve water quality. By mentioning the landowner, this gives others in the community a chance to follow up with that landowner on success in the practice. By mentioning funding sources, it gives these sources a chance to be known and gives credit where credit is due.

Maintenance Plan and Data Rights

The Silver Lake Park Improvement Association intends for this information to be available to any group that has a desire or a need for it. The Association made the information available to the Silver Lake Diagnostic and Feasibility Study that is currently in the final stages. The Association has no problem storing the data at any local, public source. The information is currently being stored at the Dickinson Soil and Water Conservation District.

